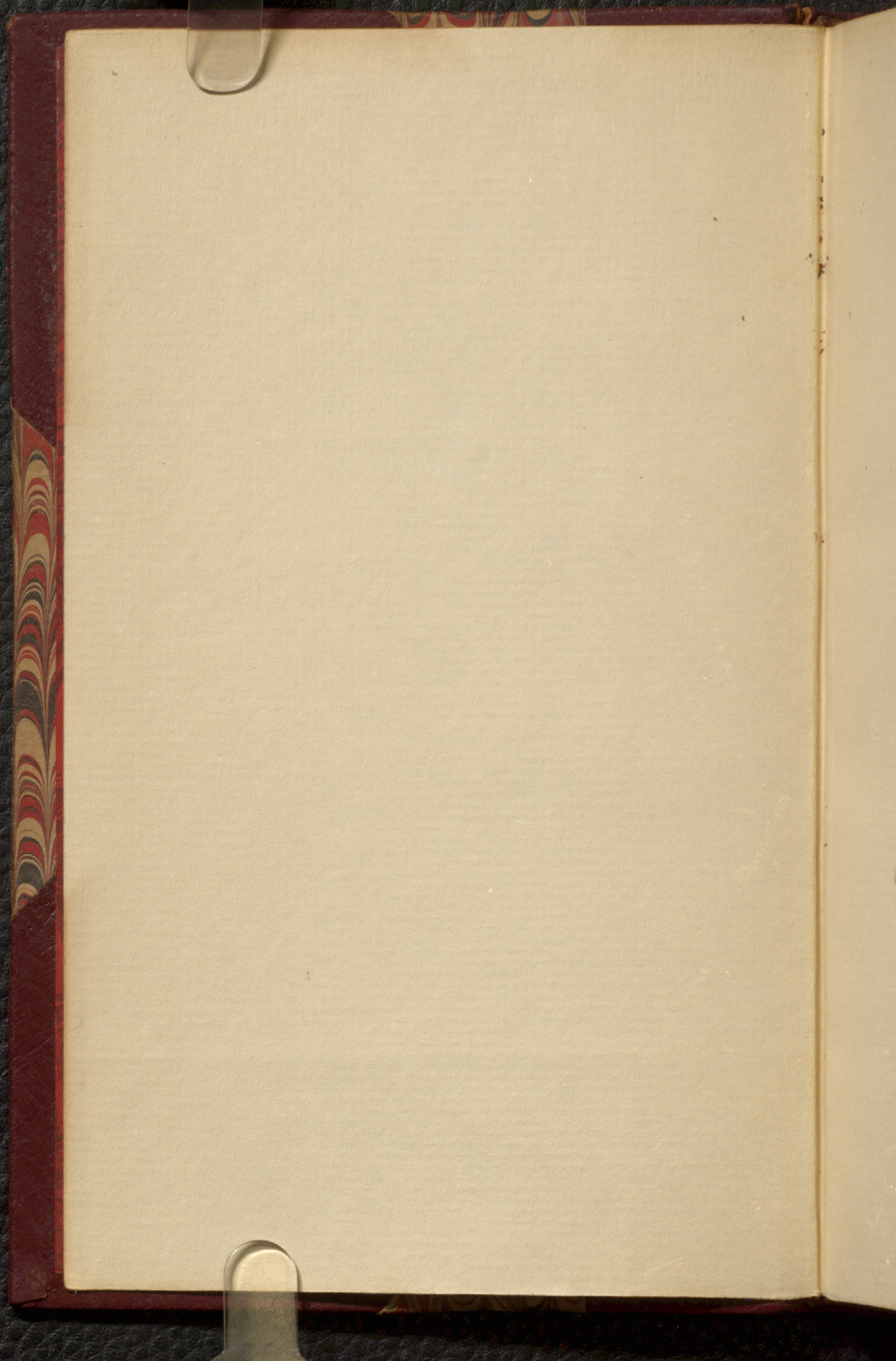
The image shows the front cover of a book. The cover is decorated with a deep red marbled paper featuring intricate, swirling patterns of darker red and brown. A white rectangular label is centered on the cover, containing the text 'McGILL UNIVERSITY LIBRARY' in a black serif font. The spine of the book is visible on the left, showing a similar marbled pattern. The edges of the cover are bound in a dark red material.

McGILL
UNIVER-
SITY ~
LIBRARY





I

75.-
~

L E T T E R S

C O N C E R N I N G

The E N G L I S H Nation.

B Y

M R. D E V O L T A I R E.

A N E W E D I T I O N

L O N D O N :

Printed for J. and R. T O N S O N, in the *Strand*.

M D C C L X V I I .

1467

T H E
P R E F A C E.

THE present work appears with confidence in the kingdom that gave birth to it; and will be well satisfied with its fortune, if it meets with as favourable a reception as has been indulged to all the other compositions of its author. The high esteem which Mr. de Voltaire has always discovered for the English, is a proof how ambitious he is for their approbation. It is now grown familiar to him, but then he is not tired with it; and indeed one would be apt to think that this circumstance is pleasing to the nation, from the strong desire they have to peruse whatever is published under his name.

Without pretending therefore to any great penetration, we may ven-

P R E F A C E.

ture to affirm that his letters will meet with all the success that could be wished. Mr. de Voltaire is the author of them, they were written in London, and relate particularly to the English nation; three circumstances which must necessarily recommend them. The great freedom with which Mr. de Voltaire delivers himself in his various observations, cannot give him any apprehensions of their being less favourably received upon that account, by a judicious people who abhor flattery. The English are pleased to have their faults pointed out to them, because this shews at the same time, that the writer is able to distinguish their merit.

We must however confess, that these letters were not designed for the public. They are the result of the author's complacency and friendship for Mr. Thiriot, who had desired him, during his stay in England,

to favo
he migh
customs
well kn
of this
lar writ
any me
probabl
the cho
particu
ries of
'twas th
order in
ed, wou
dates.
mention
ry for u
written
1728, a
thing th
occasion
responde
no long
The
that the

P R E F A C E.

to favour him with such remarks as he might make on the manners and customs of the British nation. 'Tis well known that in a correspondence of this kind, the most just and regular writer does not propose to observe any method. Mr. de Voltaire in all probability followed no other rule in the choice of his subjects than his particular taste, or perhaps the queries of his friend. Be this as it will, 'twas thought that the most natural order in which they could be placed, would be that of their respective dates. Several particulars which are mentioned in them make it necessary for us to observe, that they were written between the latter end of 1728, and about 1731. The only thing that can be regreted on this occasion is, that so agreeable a correspondence should have continued no longer.

The reader will no doubt observe, that the circumstances in every let-

P R E F A C E.

ter which had not an immediate relation to the title of it, have been omitted. This was done on purpose; for letters written with the confidence and simplicity of personal friendship, generally include certain things which are not proper for the press. The publick indeed thereby often lose a great many agreeable particulars; but why should they complain if the want of them is compensated by a thousand beauties of another kind? The variety of the subjects, the graces of the diction, the solidity of the reflections, the delicate turn of the criticism; in fine, the noble fire, which enlivens all the compositions of Mr de Voltaire, delight the reader perpetually. Even the most serious letters, such as those which relate to Sir Isaac Newton's philosophy, will be found entertaining. The author has infused into his subject all the delicate touches it was susceptible of; deep and abstruse

enough
of it, and
to be un-
Some
perhaps
patiating
on and
them re-
this refe-
de Vol-
contented h-
on of the
cast of
which pr-
part of
cular stu-
fible for
their pol-
in which
selves as
confess d-
ed and le

P R E F A C E.

enough to shew that he was master of it, and always perspicuous enough to be understood.

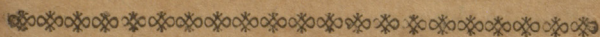
Some of the English readers may perhaps be dissatisfied at his not expatiating farther on their constitution and their laws, which most of them revere almost to idolatry; but this reservedness is an effect of Mr. de Voltaire's judgment. He contented himself with giving his opinion of them in general reflections, the cast of which is entirely new, and which prove that he had made this part of the British polity his particular study. Besides, how was it possible for a foreigner to pierce thro' their politics, that gloomy labyrinth, in which such of the English themselves as are best acquainted with it, confess daily that they are bewildered and lost?



LETTERS

CONCERNING THE

ENGLISH NATION.



LETTER I.

OF THE QUAKERS.

I WAS of opinion, that the doctrine and history of so extraordinary a people were worthy the attention of the curious. To acquaint myself with them, I made a visit to one of the most eminent Quaker in England, who after having traded thirty years had the wisdom to prescribe limits to his fortune and to his desires, and was settled in a little solitude not far from London. Being come into it, I perceived a small, but regularly built house, vastly neat, but without the least pomp

of furniture. The Quaker, who owned it, was a hale ruddy complexioned old man, who had never been afflicted with sickness, because he had always been insensible to passions, and a perfect stranger to intemperance. I never in my life saw a more noble or a more engaging aspect than his. He was dressed like those of his persuasion, in a plain coat, without plaits in the sides, or buttons on the pockets and sleeves; and had on a beaver, the brims of which were horizontal, like those of our clergy. He did not uncover himself when I appeared, and advanced towards me without once stooping his body; but there appeared more politeness in the open, humane air of his countenance, than in the custom of drawing one leg behind the other, and taking that from the head which is made to cover it. Friend, says he to me, I perceive thou art a stranger, but if I can do any thing for thee, only tell me. Sir, says I to him, bending forwards, and advancing, as is usual with us, one leg towards him, I flatter myself that my just curiosity will not give you the least offence, and that you will do me the honour to inform me of the particulars of your religion. The people of thy country, replied the Quaker, are too full of their bows and compliments, but I never met with any of them who had so much curiosity as thyself. Come in, and let us first dine together. I still continued to make some unseasonable ceremonies,

it not being easy to disengage one's self at once from habits we have been long used to ; and after taking part of a frugal meal, which began and ended with a prayer to God, I began to question my courteous host. I opened with that which good Catholics have more than once made to Huguenots. My dear Sir, says I, were you ever baptized ? I never was, replied the Quaker, nor any of my brethren. Zouns, says I to him, you are not Christians then. Friend, replies the old man in a soft tone of voice, swear not ; we are Christians, and endeavour to be good Christians, but we are not of opinion, that the sprinkling water on a child's head makes him a Christian. Heavens ! says I, shocked at his impiety, you have then forgot that Christ was baptized by St. John. Friend, replies the mild Quaker once again, swear not. Christ indeed was baptized by John, but he himself never baptized any one. We are the disciples of Christ, not of John. I pitied very much the sincerity of my worthy Quaker, and was absolutely for forcing him to get himself christened. Were that all, replied he very gravely, we would submit chearfully to baptism, purely in compliance with thy weakness, for we do not condemn any person who uses it ; but then we think, that those who profess a religion of so holy, so spiritual a nature as that of Christ, ought to abstain to the utmost of their power from the Jewish ceremonies. O

unaccountable ! says I, what ? baptism a Jewish ceremony ? Yes, my friend, says he, so truly Jewish that a great many Jews use the baptism of John to this day. Look into ancient authors, and thou wilt find that John only revived this practice ; and that it had been used by the Hebrews, long before his time, in like manner as the Mahometans imitated the Ishmaelites in their pilgrimages to Mecca. Jesus indeed submitted to the baptism of John, as he had suffered himself to be circumcised ; but circumcision and the washing with water ought to be abolished by the baptism of Christ, that baptism of the spirit, that ablution of the soul, which is the salvation of mankind. Thus the fore-runner said, “ I indeed baptize you with water “ unto repentance ; but he that cometh after “ me, is mightier than I, whose shoes I am “ not worthy to bear ; he shall baptize you “ with the Holy Ghost and with fire *.” Likewise Paul, the great apostle of the Gentiles, writes as follows to the Corinthians ; “ Christ sent “ me not to baptize, but to preach the gospel †,” and indeed Paul never baptized but two persons with water, and that very much against his inclinations. He circumcised his disciple Timothy, and the other disciples likewise circumcised all who were willing to submit to that carnal ordinance. But art thou circum-

* St. Matth. iii. 11.

† 1 Cor. i. 17.

cised, added he? I have not the honour to be so, says I. Well, friend, continues the Quaker, thou art a Christian without being circumcised, and I am one without being baptised. Thus did this pious man make a wrong, but very specious, application, of four or five texts of scripture which seemed to favour the tenets of his sect; but at the same time forgot very sincerely an hundred texts which made directly against them. I had more sense than to contest with him, since there is no possibility of convincing an enthusiast. A man should never pretend to inform a lover of his mistress's faults, no more than one who is at law, of the badness of his cause; nor attempt to win over a fanatic by strength of reasoning. Accordingly I waved the subject.

Well, says I to him, what sort of a communion have you? We have none like that thou hintest at among us, replied he. How! no communion, says I? Only that spiritual one, replied he, of hearts. He then began again to throw out his texts of scripture; and preached a most elegant sermon against that ordinance. He haranged in a tone as though he had been inspired, to prove that the sacraments were merely of human invention, and that the word sacrament was not once mentioned in the gospel. Excuse, says he, my ignorance, for I have not employed the hundredth part of the arguments which might be brought, to prove the

truth of our religion; but these thou thyself mayst peruse in the exposition of our faith written by Robert Barclay. It is one of the best pieces that ever was penned by man; and as our adversaries confess it to be of dangerous tendency, the arguments in it must necessarily be very convincing. I promised to peruse this piece, and my Quaker imagined he had already made a convert of me. He afterwards gave me an account, in few words, of some singularities which make this sect the contempt of others. Confess, says he, that it was very difficult for thee to refrain from laughter, when I answered all thy civilities without uncovering my head, and at the same time said *thee* and *thou* to thee. However, thou appearest to me too well read, not to know that in Christ's time no nation was so ridiculous as to put the plural number for the singular. Augustus Caesar himself was spoke to in such phrases as these, "I love thee, I beseech thee, I thank thee;" but he did not allow any person to call him Domine, Sir. It was not till many ages after, that men would have the word You, as though they were double, instead of Thou, employed in speaking to them; and usurped the flattering titles of lordship, of eminence, and of holiness, which mere worms bestow on other worms, by assuring them that they are with a most profound respect, and an infamous falshood, their most obedient, hum-

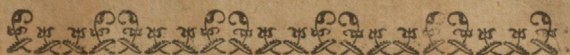
ble servants. It is to secure ourselves more strongly from such a shameless traffic of lies and flattery, that we *thee* and *thou* a king with the same freedom as we do a beggar, and salute no person; we owing nothing to mankind but charity, and to the laws respect and obedience.

Our apparel is also somewhat different from that of others, and this purely, that it may be a perpetual warning to us not to imitate them. Others wear the badges and marks of their several dignities, and we those of christian humility. We fly from all assemblies of pleasure, from diversions of every kind, and from places where gaming is practised; and indeed our case would be very deplorable, should we fill with such levities, as those I have mentioned, the heart which ought to be the habitation of God. We never swear, not even in a court of justice, being of opinion that the most holy name of God ought not to be prostituted in the miserable contests betwixt man and man. When we are obliged to appear before a magistrate upon other people's account. (for lawsuits are unknown among the friends) we give evidence to the truth by sealing it with our yea or nay; and the judges believe us on our bare affirmation, whilst so many other Christians forswear themselves on the holy gospels. We never war or fight in any case; but it is not that we are afraid; for so far from shuddering at the thoughts of death, we, on the contrary, bless

the moment that unites us with the being of beings; but the reason of our not using the outward sword is, that we are neither wolves, tigers, nor mastiffs, but men and Christians. Our God, who has commanded us to love our enemies, and to suffer without repining, would certainly not permit us to cross the seas merely because murderers cloathed in scarlet, and wearing caps two foot high, enlist citizens by a noise made with two little sticks on an ass's skin extended. And when after a victory is gained, the whole city of London is illuminated: when the sky is in a blaze with fireworks, and a noise is heard in the air, of thanksgivings, of bells, of organs, and of the cannon, we groan in silence, and are deeply affected with sadness of spirit and brokenness of heart, for the sad havoc which is the occasion of those public rejoicings.



SUC
tion
but I wa
the Sun
to the C
of these
me to (la
monumen
sembled a
might be
hundred
hid their
were co
all were
I palt th
much as
silence la
one of th
making a
in a molt
his nose,
a strange
as he im
himself



L E T T E R II.

O F T H E Q U A K E R S .

SUCH was the substance of the conversation I had with this very singular person ; but I was greatly surprized to see him come the Sunday following, and take me with him to the Quakers meeting. There are several of these in London, but that which he carried me to stands near the famous pillar called the monument. The brethren were already assembled at my entering it with my guide. There might be about four hundred men and three hundred women in the meeting. The women hid their faces behind their fans, and the men were covered with their broad-brimmed hats ; all were seated, and the silence was universal. I past through them, but did not perceive so much as one lift up his eyes to look at me. This silence lasted a quarter of an hour, when at last one of them rose up, took off his hat, and after making a variety of wry faces, and groaning in a most lamentable manner, he partly from his nose, and partly from his mouth, threw out a strange confused jumble of words (borrowed as he imagined from the gospel) which neither himself nor any of his hearers understood.

10 LETTERS CONCERNING

When this distorter had ended his beautiful soliloquy, and that the stupid, but greatly edified, congregation were separated, I asked my friend how it was possible for the judicious part of their assembly to suffer such a babbling. We are obliged, says he, to suffer it, because no one knows when a man rises up to hold forth, whether he will be moved by the spirit or by folly. In this doubt and uncertainty we listen patiently to every one, we even allow our women to hold forth; two or three of these are often inspired at one and the same time, and it is then that a most charming noise is heard in the Lord's house. You have then no priests, says I to him? No, no, friend, replies the Quaker, to our great happiness. Then opening one of the friend's books, as he called it, he read the following words in an emphatic tone: God forbid we should presume to ordain any one to receive the holy spirit on the Lord's day, to the prejudice of the rest of the brethren. Thanks to the Almighty, we are the only people upon earth that have no priests. Wouldst thou deprive us of so happy a distinction? Why should we abandon our babe to mercenary nurses, when we ourselves have milk enough for it? These mercenary creatures would soon domineer in our houses and destroy both the mother and the babe. God has said, Freely you have received, freely give. Shall we, after these words, cheapen, as it were, the

THE ENGLISH NATION. II

gospel; sell the Holy Ghost, and make of an assembly of Christians a mere shop of traders? We do not pay a set of men cloathed in black, to assist our poor, to bury our dead, or to preach to the brethren; these offices are all of too tender a nature, for us ever to trust them to others. But how is it possible for you, says I, with some warmth, to know whether your discourse is really inspired by the Almighty? Who soever, says he, shall implore Christ to enlighten him, and shall publish the gospel truths he may feel inwardly, such an one may be assured that he is inspired by the Lord. He then poured forth a numberless multitude of scripture texts, which proved, as he imagined, that there is no such thing as Christianity without an immediate revelation, and added these remarkable words: When thou movest one of thy limbs, is it moved by thy own power? Certainly not, for this limb is often sensible to involuntary motions; consequently he, who created thy body, gives motion to this earthly tabernacle. And are the several ideas of which thy soul receives the impression formed by thyself? Much less are they, since these pour in upon thy mind whether thou wilt or no; consequently thou receivest thy ideas from him who created thy soul: but as he leaves the affections at full liberty, he gives thy mind such ideas as thy affections may deserve; if thou livest in God, thou actest, thou thinkest in God,

After this thou needest only but open thine eyes to that light which enlightens all mankind, and it is then thou wilt perceive the truth, and make others perceive it. Why this, says I, is Malebranche's doctrine to a tittle. I am acquainted with thy Malebranche, says he; he had something of the friend in him, but was not enough so.

These are the most considerable particulars I learn'd concerning the doctrine of the Quakers: in my next letter I shall acquaint you with their history, which you will find more singular than their opinions.



THE
 YO
 ers
 them wa
 these, w
 and rem
 1600 ye
 Quakers
 preserved
 ed in all
 spread it
 It was
 torn to
 three or
 God, tha
 shire, an
 head to
 the requ
 being ab
 about tw
 able in h
 man. E
 foot, and
 exclaimi



LETTER III.
OF THE QUAKERS.

YOU have already heard that the Quakers date from Christ, who according to them was the first Quaker. Religion, say these, was corrupted a little after his death, and remained in that state of corruption about 1600 years. But there were always a few Quakers concealed in the world, who carefully preserved the sacred fire, which was extinguished in all but themselves, till at last this light spread itself in England in 1642.

It was at the time when Great Britain was torn to pieces by the intestine wars, which three or four sects had raised in the name of God, that one George Fox born in Leicestershire, and son to a silk-weaver, took it into his head to preach; and as he pretended, with all the requisites of a true apostle, that is, without being able either to read or write. He was about twenty five * years of age, irreproachable in his life and conduct, and a holy madman. He was equipt in leather from head to foot, and travelled from one village to another, exclaiming against war and the clergy. Had his

* Fox could read at that age.

14 LETTERS CONCERNING

invectives been levelled against the soldiery only, he would have been safe enough; but he inveighed against ecclesiastics. Fox was seized at Derby, and being carried before a justice of peace, he did not once offer to pull off his leather hat; upon which an officer gave him a great box on the ear, and cried to him, do not you know you are to appear uncover'd before his worship? Fox presented his other cheek to the officer, and begged him to give him another box for God's sake. The justice would have had him sworn before he asked him any questions: Know, friend, says Fox to him, that I never swear. The justice observing he *thee'd* and *thou'd* him, sent him to the house of correction in Derby, with orders that he should be whipp'd there. Fox praised the Lord all the way he went to the house of correction, where the justice's order was executed with the utmost severity. The men, who whipped this enthusiast, were greatly surprized to hear him beseech them to give him a few more lashes for the good of his soul. There was no need of intreating these people; the lashes were repeated, for which Fox thanked them very cordially, and began to preach. At first the spectators fell a laughing, but they afterwards listened to him; and as enthusiasm is an epidemical distemper, many were persuaded, and those who scourged him became his first disciples. Being set at liberty, he ran up and

down the country with a dozen proselytes at his heels, still declaiming against the clergy, and was whipped from time to time. Being one day set in the pillory, he harangued the croud in so strong and moving a manner, that fifty of the auditors became his converts, and he won the rest so much in his favour, that his head being freed tumultuously from the hole where it was fastened, the populace went and searched for the church of England clergyman, who had been chiefly instrumental in bringing him to this punishment, and set him on the same pillory where Fox had stood.

Fox was bold enough to convert some of Oliver Cromwell's soldiers, who thereupon quitted the service, and refused to take the oaths. Oliver having as great a contempt for a sect which would not allow its members to fight, as Sextus Quintus had for another sect, *Dove non si chiavava*, began to persecute these new converts. The prisons were crowded with them; but persecution seldom has any other effect than to increase the number of proselytes. These came therefore from their confinement more strongly confirmed in the principles they had imbibed, and followed by their goalers, whom they had brought over to their belief. But the circumstances, which contributed chiefly to the spreading of this sect, were as follow. Fox thought himself inspired, and consequently was of opinion, that he must speak

in a manner different from the rest of mankind. He thereupon began to wreath his body, and to screw up his face, to hold in his breath, and to exhale it in a forcible manner, insomuch that the priestesses of the Pythian god at Delphos could not have acted her part to better advantage. Inspiration soon became so habitual to him, that he could scarce deliver himself in any other manner. This was the first gift he communicated to his disciples. These aped very sincerely their master's several grimaces, and shook in every limb the instant the fit of inspiration came upon them; whence they were called Quakers. The vulgar attempted to mimic them, they trembled, they spake through the nose; they quaked, and fancied themselves inspired by the Holy Ghost. The only thing now wanting was a few miracles, and accordingly they wrought some.

Fox, this modern patriarch, spoke thus to a justice of peace, before a large assembly of people. Friend, take care what thou dost: God will soon punish thee for persecuting his saints. This magistrate being one who besotted himself every day with bad beer and brandy, died of an apoplexy two days after, the moment he had signed a mittimus for imprisoning some Quakers. The sudden death with which this justice was seized, was not ascribed to his intemperance, but was universally looked upon

THE
as the eff
that this
kerism
shaking fr
them to i
ing them
pole atte
However
him one
only one
ed the ch
The C
under Ch
ous accou
for thee is
for refus
laws.
At last
land, pre
logy for
up as the
dedication
with mean
with bold
the wisest
he to the
catory, "
" knowest
" country
" and fir
" ed, the

as the effect of the holy man's predictions; so that this accident made more converts to Quakerism, than a thousand sermons, and as many shaking fits could have done. Oliver, finding them to increase daily, was desirous of bringing them over to his party; and for that purpose attempted to bribe them with money. However, they were incorruptible, which made him one day declare, that this religion was the only one he had ever met with that had resisted the charms of gold.

The Quakers were several times persecuted under Charles the second, not upon a religious account, but for refusing to pay the tythes, for *thee-ing* and *thou-ing* the magistrates, and for refusing to take the oaths enacted by the laws.

At last Robert Barclay, a native of Scotland, presented to the king in 1675, his apology for the Quakers, a work as well drawn up as the subject could possibly admit. The dedication to Charles the second is not filled with mean flattering encomiums, but abounds with bold touches in favour of truth, and with the wisest counsels. "Thou hast tasted," says he to the king at the close of his epistle dedicatory, "of prosperity and adversity; thou knowest what it is to be banished thy native country; to be over-ruled as well as to rule, and sit upon the throne; and being oppressed, thou hast reason to know how hateful

" the oppressor is both to God and man : if,
 " after all these warnings and advertisements,
 " thou dost not turn unto the Lord with all
 " thy heart, but forget him who remembered
 " thee in thy distress, and give up thyself to
 " follow lust and vanity, surely great will be thy
 " condemnation.

" Against which snare, as well as the temp-
 " tation of those, that may or do feed thee,
 " and prompt thee to evil, the most excellent
 " and prevalent remedy will be, to apply thy-
 " self to that light of Christ, which shineth in
 " thy conscience, which neither can nor will
 " flatter thee, nor suffer thee to be at ease in
 " thy sins ; but doth and will deal plainly and
 " faithfully with thee, as those that are fol-
 " lowers thereof have plainly done-----Thy
 " faithful friend and subject, Robert Barclay."

A more surprizing circumstance is, that this
 epistle written by a private man of no figure,
 was so happy in its effects as to put a stop to
 the persecution,



the Qual
 them app
 ropeans,
 virtue, v
 He was
 vourite t
 James th
 Willia
 pened to
 he had
 profelyn
 ly youth,
 ing aspec
 soon gain
 carried n
 sensible
 who mer
 head of
 twenty.
 Being



LETTER IV.
OF THE QUAKERS.

ABOUT this † time arose the illustrious William Pen, who raised the power of the Quakers in America, and would have made them appear venerable in the eyes of the Europeans, were it possible for mankind to respect virtue, when revealed in a ridiculous light. He was the only son of vice-admiral Pen, favourite to the duke of York, afterwards king James the second.

William Pen, at twenty years of age happened to meet with a * Quaker in Cork, whom he had known at Oxford, this man made a proselyte of him ; and William being a sprightly youth, and naturally eloquent, having a winning aspect, and a very engaging carriage, he soon gained over some of his intimates. He carried matters so far, that he formed by insensible degrees a society of young Quakers, who met at his house ; so that he was at the head of a sect when he was but a little above twenty.

Being returned, after his leaving Cork, to

† 1666.

* Thomas Loe.

the vice-admiral his father, instead of falling upon his knees to ask him his blessing, he went up to him with his hat on, and said, Friend, I am glad to see thee in good health. The vice-admiral imagined his son to be crazy; but soon finding he was turned Quaker, he employed all the methods that prudence could suggest, to engage him to behave and act like other people. The youth made no other answer to his father, than by exhorting him to turn Quaker also. At last his father confined himself to this single request, viz. that he should wait upon the king and the duke of York with his hat under his arm, and should not *thee* and *thou* them. William answered, that he could not do these things for conscience sake; which exasperated his father to such a degree, that he turned him out of doors. Young Pen gave God thanks, for permitting him to suffer so early in his cause; after which he went into the city, where he held forth *, and made a great number of converts.

The church of England clergy found their congregations dwindle away daily; and Pen being young, handsom, and of a graceful stature, the court, as well as the city ladies, flocked very devoutly to his meeting. The patriarch George Fox hearing of his great reputation, came to London though the journey was very long purely to see and converse with

* About 1668, and the 24th year of his age.

THE
him. B
foreign c
barked fo
ers suffic
yard.

Their
Amsterda
ed the gr
same time
trial, was
Elizabeth th
the first c
for her g
Des Carte
mance.

She was
the receive
were at
princels b
her palac
rable an c
felled the
heaven.
seed in G
for the m
approved
petually c
nells and
soon to E
sickness,
The vic

him. Both resolved to go upon missions into foreign countries, and accordingly they embarked for Holland, after having left labourers sufficient to take care of the London vineyard.

Their labours were crowned with success in Amsterdam; but a circumstance, which reflected the greatest honour on them, and at the same time put their humility to the greatest trial, was the reception they met with from Elizabeth the princess Palatine, aunt to George the first of Great Britain, a lady conspicuous for her genius and knowledge, and to whom Des Cartes had dedicated his Philosophical Romance.

She was then retired to the Hague, where she received these friends, for so the Quakers were at that time called in Holland. This princess had several conferences with them in her palace, and she at last entertained so favourable an opinion of Quakerism, that they confessed she was not far from the kingdom of heaven. The friends sowed likewise the good seed in Germany, but reaped very little fruit; for the mode of *thee-ing* and *thou-ing* was not approved of in a country, where a man is perpetually obliged to employ the titles of highness and excellency. William Pen returned soon to England, upon hearing of his father's sickness, in order to see him before he died. The vice-admiral was reconciled to his son,

and though of a different persuasion, embraced him tenderly. William made a fruitless exhortation to his father not to receive the sacrament, but to die a Quaker; and the good old man intreated his son William to wear buttons on his sleeves, and a crape hatband in his beaver; but all to no purpose.

William Pen inherited very large possessions, part of which consisted in crown-debts, due to the vice-admiral for sums he had advanced for the sea-service. No monies were at that time more secure than those owing from the king. Pen was obliged to go more than once, and *thee* and *thou* king Charles and his ministers, in order to recover the debt; and at last, instead of specie, the government invested him with the right and sovereignty of a province of America, to the south of Maryland. Thus was a Quaker raised to sovereign power. Pen set sail for his new dominions with two ships freighted with Quakers, who followed his fortune. The country was then called Pensilvania, from William Pen, who there founded Philadelphia, now the most flourishing city in that country. The first step he took was to enter into an alliance with his American neighbours; and this is the only treaty between those people and the Christians that was not ratified by an oath, and was never infringed. The new sovereign was at the same time the legislator of Pensilvania, and enacted very wise

THE
and prod
been cha
injure no
to consi
in one G
He ha
but sever
pled this
instead of
insentible
able Quak
as much a
who had
In a little
ges (false)
and gentle
in crowds
admit ther
was very
to be the
subjects, w
they came
for a gove
it, and tor
offensive o
be absolut
lic employ
entertain
ther.

William
down upon

and prudent laws, none of which have ever been changed since his time. The first is to injure no person upon a religious account, and to consider as brethren all those who believe in one God.

He had no sooner settled his government, but several American merchants came and peopled this colony. The natives of the country, instead of flying into the woods, cultivated, by insensible degrees, a friendship with the peaceable Quakers. They loved these foreigners as much as they detested the other Christians who had conquered and laid waste America. In a little time, a great number of these savages (falsely so called) charmed with the mild and gentle disposition of their neighbours, came in crouds to William Pen and besought him to admit them into the number of his vassals. It was very rare and uncommon for a sovereign to be *thee'd* and *thou'd* by the meanest of his subjects, who never took their hats off when they came into his presence; and as singular for a government to be without one priest in it, and for a people to be without arms, either offensive or defensive; for a body of citizens to be absolutely undistinguished but by the public employments, and for neighbours not to entertain the least jealousy one against the other.

William Pen might glory in having brought down upon earth the so much boasted golden

age, which in all probability never existed but in Pensilvania. He returned to England to settle some affairs relating to his new dominions. After the death of king Charles the second, king James, who had loved the father, indulged the same affection to the son, and no longer considered him as an obscure sectary, but as a very great man. The king's politics on this occasion agreed with his inclinations. He was desirous of pleasing the Quakers, by annulling the laws made against nonconformists, in order to have an opportunity, by this universal toleration, of establishing the Romish religion. All the sectaries in England saw the snare that was laid for them, but did not give into it; they never failing to unite, when the Romish religion, their common enemy, is to be opposed. But Pen did not think himself bound in any manner to renounce his principles, merely to favour protestants, to whom he was odious, in opposition to a king who loved him. He had established an universal toleration with regard to conscience in America, and would not have it thought that he intended to destroy it in Europe; for which reason he adhered so inviolably to king James, that a report prevailed universally of his being a Jesuit. This calumny affected him very strongly, and he was obliged to justify himself in print. However, the unfortunate king James the second, in whom, as in most princes of the Stuart family,

grande
and who
things as
dom in
ed for.

All th
siam the
on and
when off
Quakers
the sever
Pen havi
stabilise
Pensilvan

cans rece
he had be
fit his chi
giously ob
in which
but him
in Pensilv
tance, in
solicit son
of Pentlw
dying in

I am n
may have
dles awa
where lib
stabilised
rest, Qua

grandeur and weakness were equally blended; and who, like them, as much overdid some things as he was short in others, lost his kingdom in a manner that is hardly to be accounted for.

All the English sectarists accepted from William the third and his parliament, the toleration and indulgence which they had refused when offered by king James. It was then the Quakers began to enjoy, by virtue of the laws, the several privileges they possess at this time. Pen having at last seen Quakerism firmly established in his native country, went back to Pensilvania. His own people and the Americans received him with tears of joy, as though he had been a father who was returned to visit his children. All the laws had been religiously observed in his absence, a circumstance in which no legislator had ever been happy but himself. After having resided some years in Pensilvania, he left it, but with great reluctance, in order to return to England, there to solicit some matters in favour of the commerce of Pensilvania. But he never saw it again, he dying in Ruscomb in Berkshire, anno 1718.

I am not able to guess what fate Quakerism may have in America, but I perceive it dwindles away daily in England. In all countries where liberty of conscience is allowed, the established religion will at last swallow up all the rest. Quakers are disqualified from being mem-

bers of parliament; nor can they enjoy any post or preferment, because an oath must always be taken on these occasions, and they never swear. They are therefore reduced to the necessity of subsisting upon traffic. Their children, whom the industry of their parents have enriched, are desirous of enjoying honours, of wearing buttons and ruffles; and quite ashamed of being called Quakers, they become converts to the church of England, merely to be in the fashion.



ENC
of le
domo patre
mansions.
liberty is
way.

Neverth
ed to serve
he thinks
in which a
of episcopa
of England
minence.
ment, eithe
be ranked
himself a
This reasc
dence with
dissenters o
eth part of
established
retained a g
monies, and
most scrupu

L E T T E R V.

OF THE CHURCH OF ENGLAND.

E N G L A N D is properly the country of sectarists. *Multae sunt mansiones in domo patris mei* (in my father's house are many mansions.) An Englishman, as one to whom liberty is natural, may go to heaven his own way.

Nevertheless, though every one is permitted to serve God in whatever mode or fashion he thinks proper, yet their true religion, that in which a man makes his fortune, is the sect of episcopalians or churchmen, called the church of England, or simply the church, by way of eminence. No person can possess an employment, either in England or Ireland, unless he be ranked among the faithful, that is, profess himself a member of the church of England. This reason (which carries mathematical evidence with it) has converted such numbers of dissenters of all persuasion, that not a twentieth part of the nation is out of the pale of the established church. The English clergy have retained a great number of the Romish ceremonies, and especially that of receiving, with a most scrupulous attention, their tythes. They

also have the pious ambition to aim at superiority.

Moreover, they inspire very religiously their flock with a holy zeal against dissenters of all denominations. This zeal was pretty violent under the tories, in the four last years of queen Anne; but was productive of no greater mischief than the breaking the widows of some meeting-houses, and the demolishing some few of them. For religious rage ceased in England with the civil wars; and was no more under queen Anne, than the hollow noise of a sea whose billows still heaved, though so long after the storm, when the whigs and tories laid waste their native country, in the same manner as the Guelphs and Gibelins formerly did theirs. It was absolutely necessary for both parties to call in religion on this occasion; the tories declared for episcopacy, and the whigs, as some imagined, were for abolishing it; however, after these had got the upper hand, they contented themselves with abridging it.

At the time when the earl of Oxford and the lord Bolingbroke used to drink healths to the tories, the church of England considered those noblemen as the defenders of its holy privileges. The lower house of convocation, (a kind of house of commons) composed wholly of the clergy, was in some credit at that time: at least the members of it had the liberty to meet, to dispute on ecclesiastical matters,

to sentence impious books from time to time to the flames, that is, books written against themselves. The ministry, which is now composed of whigs, does not so much as allow those gentlemen to assemble, so that they are at this time reduced (in the obscurity of their respective parishes) to the melancholy occupation of praying for the prosperity of the government, whose tranquillity they would willingly disturb. With regard to the bishops, who are twenty six in all, they still have seats in the house of lords in spite of the whigs, because the ancient abuse of considering them as barons subsists to this day. There is a clause however in the oath which the government requires from these gentlemen, that puts their christian patience to a very great trial, viz that they shall be of the church of England as by law established. There are few bishops, deans, or other dignitaries, but imagine they are so *jure divino*; it is consequently a great mortification to them to be obliged to confess, that they owe their dignity to a pitiful law enacted by a set of profane laymen. A learned monk (father Courayer) writ a book lately to prove the validity and succession of English ordinations. This book was forbid in France; but do you believe that the English ministry were pleased with it? far from it. Those damned whigs do not value a straw, whether the episcopal succession among them hath been inter-

rupted or not, or whether bishop Parker was consecrated (as it is pretended) in a tavern, or a church; for these whigs are much better pleased that the bishops should derive their authority from the parliament, than from the apostles. The lord B----- observed, that this notion of divine right would only make so many tyrants in lawn-sleeves, but that the laws made so many citizens.

With regard to the morals of the English clergy, they are more regular than those of France, and for this reason: all the clergy (a very few excepted) are educated in the universities of Oxford or Cambridge, far from the depravity and corruption which reign in the capital. They are not called to dignities till very late, at a time of life, when men are sensible of no other passion but avarice, that is, when their ambition craves a supply. Employments are here bestowed both in the church and the army, as a reward for long services; and we never see youngsters made bishops or colonels immediately upon their laying aside the academical gown; and besides, most of the clergy are married. The stiff and awkward air contracted by them at the university, and the little familiarity the men of this country have with the ladies, commonly oblige a bishop to confine himself to, and rest contented with his own. Clergymen sometimes take a glass at the tavern, custom giving them a sanction on this

occasion; and if they fuddle themselves it is in a very serious manner, and without giving the least scandal.

That sable mixed kind of mortal (not to be defined) who is neither of the clergy nor of the laity; in a word, the thing called Abbe in France, is a species quite unknown in England. All the clergy here are very much upon the reserve, and most of them pedants. When these are told, that in France, young fellows famous for their dissoluteness, and raised to the highest dignities of the church by female intrigues, address the fair publicly in an amorous way, amuse themselves in writing tender love-songs, entertain their friends very spendidly every night at their own houses, and after the banquet is ended, withdraw to invoke the assistance of the Holy Ghost, and call themselves boldly the successors of the apostles, they bless God for their being protestants. But, these are shameless heretics, who deserve to be blown hence through the fumes to old Nick, as Rabelais says; and for this reason I do not trouble myself about them.



LETTER VI.

OF THE PRESBYTERIANS.

THE church of England is confined almost to the kingdom whence it received its name, and to Ireland; for Presbyterianism is the established religion in Scotland. This Presbyterianism is directly the same with Calvinism, as it was established in France, and is now professed at Geneva. As the priests of this sect receive but very inconsiderable stipends from their churches, and consequently cannot emulate the splendid luxury of bishops, they exclaim very naturally against honours which they can never attain to. Figure to yourself the haughty Diogenes, trampling under foot the pride of Plato. The Scotch Presbyterians are not very unlike that proud, tho' tattered, reasoner. Diogenes did not use Alexander half so impertinently as these treated king Charles the second; for when they took up arms in his cause, in opposition to Oliver, who had deceived them, they forced that poor monarch to undergo the hearing of three or four sermons every day; would not suffer him to play, reduced him to a state of penitence and

mortification; so that Charles soon grew sick of these pedants, and accordingly eloped from them with as much joy as a youth does from school.

A church of England minister appears as another Cato, in presence of a juvenile, sprightly French graduate, who bawls for a whole morning together in the divinity schools, and hums a song in chorus with ladies in the evening; but this Cato is a very spark, when before a Scotch presbyterian. The latter affects a serious gate, puts on a four look, wears a vastly broad-brimmed hat, and a long cloak over a very short coat; preaches through the nose, and gives the name of the whore of Babylon to all churches, where the ministers are so fortunate as to enjoy an annual revenue of five or six thousand pounds; and where the people are weak enough to suffer this, and to give them the titles of my lord, your lordship, or your eminence.

These gentlemen who have also some churches in England, introduced there the mode of grave and severe exhortations. To them is owing the sanctification of Sunday in the three kingdoms. People are forbid to work or take any recreation on that day, in which the severity is twice as great as that of the Romish church. No operas, plays or concerts are allowed in London on Sundays; and even cards are so expressly forbid, that none but persons

of quality, and those we call the genteel, play on that day; the rest of the nation go either to the church, to the tavern, or to see their mistresses.

Though the Episcopal and the Presbyterian sects are the two prevailing ones in Great Britain, yet all others are very welcome to come and settle in it, and live very sociably together, though most of their preachers hate one another almost as cordially as a Janfenist damns a Jesuit.

Take a view of the royal-exchange in London, a place more venerable than many courts of justice, where the representatives of all nations meet for the benefit of mankind. There the Jew, the Mahometan, and the Christian transact together, as though they all professed the same religion, and give the name of infidel to none but bankrupts. There the Presbyterian confides in the Anabaptist, and the churchman depends on the Quaker's word. At the breaking up of this pacific and free assembly, some withdraw to the synagogue, and others to take a glass. This man goes and is baptized in a great tub, in the name of the Father, Son, and Holy Ghost: that man has his son's foreskin cut off, whilst a set of Hebrew words (quite unintelligible to him) are mumbled over his child. Others retire to their churches, and there wait for the inspi-

ration of heaven with their hats on, and all are satisfied.

If one religion only were allowed in England, the government would very possibly become arbitrary; if there were but two, the people would cut one anothers throats; but as there are such a multitude, they all live happy, and in peace.



LETTER VII.

OF THE SOCINIANS, OR ARIANS,
OR ANTITRINITARIANS.

THERE is a little sect here composed of clergymen, and of a few very learned persons among the laity, who, though they do not call themselves Arians or Socinians, do yet differ entirely from St. Athanasius, with regard to their notions of the Trinity, and declare very frankly that the Father is greater than the Son.

Do you remember what is related of a certain orthodox bishop, who in order to convince an emperor of the reality of consubstantiation, put his hand under the chin of the monarch's son, and took him by the nose in the presence of his sacred majesty? The emperor was going to order his attendants to throw the bishop out of the window, when the good old man gave him this handsome and convincing reason: Since your majesty, says he, is angry when your son has not due respect shown to him, what punishment do you think will God the Father inflict on those who refuse his Son Jesus the titles due to him? The persons I

just now mentioned, declare that the holy bishop took a very wrong step; that his argument was inconclusive, and that the emperor should have answered him thus; Know that there are two ways by which men may be wanting in respect to me; first in not doing honour sufficient to my son; and secondly, in paying him the same honour as to me.

Be this as it will, the principles of Arius begin to revive, not only in England, but in Holland and Poland. The celebrated Sir Isaac Newton honoured this opinion so far as to countenance it. This philosopher thought that the Unitarians argued more mathematically than we do. But the most sanguine stickler for Arianism is the illustrious Dr. Clark. This man is rigidly virtuous, and of a mild disposition; is more fond of his tenets, than desirous of propagating them; and absorbed so entirely in his problems and calculations, that he is a mere reasoning machine.

It is he who wrote a book which is much esteemed and little understood, on the existence of God; and another more intelligible, but pretty much contemned, on the truth of the christian religion.

He never engaged in scholastic disputes, which our friend calls venerable trifles. He only published a work containing all the testimonies of the primitive ages, for and against the Unitarians, and leaves to the reader the

counting of the voices, and the liberty of forming a judgment. This book won the doctor a great number of partizans, and lost him the see of Canterbury: but in my humble opinion, he was out in his calculation, and had better have been primate of all England, than merely an Arian parson.

You see that opinions are subject to revolutions as well as empires. Arianism, after having triumphed during three centuries, and been forgot twelve, rises at last out of its own ashes; but it has chose a very improper season to make its appearance in, the present age being quite cloyed with disputes and sects. The members of this sect are besides too few to be indulged the liberty of holding public assemblies, which however they will doubtless be permitted to do, in case they spread considerably. But people are now so very cold with respect to all things of this kind, that there is little probability any new religion, or old one that may be revived, will meet with favour. Is it not whimsical enough that Luther, Calvin, and Zuinglius, whose writings no body in this age reads, should have founded sects which are now spread over a great part of Europe; that Mahomet, though so ignorant, should have given a religion to Asia and Africa; and that Sir Isaac Newton, Dr. Clark, Mr. Locke, Mr. Le Clerc, etc. the greatest philosophers, as well as the ablest writers of their ages,

should scarce have been able to raise a little flock, which even decreases daily?

This it is to be born at a proper period of time. Were cardinal de Retz to return again into the world, neither his eloquence, nor his intrigues would draw together ten women in Paris.

Were Oliver Cromwell, he who beheaded his sovereign, and seized upon the kingly dignity, to rise from the dead, he would be a wealthy city trader, and no more.





LETTER VIII.
OF THE PARLIAMENT.

THE members of the English parliament are fond of comparing themselves to the old Romans.

Not long since, Mr. Shippen opened a speech in the house of commons with these words, "The majesty of the people of England would be wounded." The singularity of the expression occasioned a loud laugh; but this gentleman, so far from being disconcerted, repeated the same words with a resolute tone of voice, and the laugh ceased. In my opinion, the majesty of the people of England has nothing in common with that of the people of Rome; much less is there any affinity between their governments. There is in London a senate, some of the members whereof are accused, doubtless very unjustly, of selling their voices on certain occasions, as was done in Rome; this is the only resemblance. Besides, the two nations appear to me quite opposite in character, with regard both to good and evil. The Romans never knew the dreadful folly of religious wars, an abomination reserved for

devout preachers of patience and humility. Marius and Sylla, Caesar and Pompey, Antony and Augustus, did not draw their swords and set the world in a blaze, merely to determine whether the Flamen should wear his shirt over his robe, or his robe over his shirt; or whether the sacred chickens should eat and drink, or eat only, in order to take the augury. The English have hanged one another by law, and cut one another to pieces in pitched battles, for quarrels of as trifling a nature. The sects of the Episcopalians and Presbyterians quite distracted these very serious heads for a time. But I fancy they will hardly ever be so silly again, they seeming to be grown wiser at their own expence; and I do not perceive the least inclination in them to murder one another merely about syllogisms, as some zealots among them once did.

But here follows a more essential difference between Rome and England, which gives the advantage entirely to the latter, viz. that the civil wars of Rome ended in slavery, and those of the English in liberty. The English are the only people upon earth who have been able to prescribe limits to the power of kings by resisting them; and who, by a series of struggles, have at last established that wise government, where the prince is all-powerful to do good, and at the same time is restrained from committing evil; where the nobles are great

without insolence, though there are no vassals; and where the people share in the government without confusion.

The house of lords and that of the commons; divide the legislative power under the king; but the Romans had no such balance. The patricians and plebeians in Rome were perpetually at variance, and there was no intermediate power to reconcile them. The Roman senate, who were so unjustly, so criminally proud, as not to suffer the plebeians to share with them in any thing, could find no other artifice to keep the latter out of the administration, than by employing them in foreign wars. They considered the plebeians as wild beasts, whom it behoved them to let loose upon their neighbours, for fear they should devour their masters. Thus the greatest defect in the government of the Romans raised them to be conquerors. By being unhappy at home, they triumphed over and possessed themselves of the world, till at last their divisions sunk them to slavery.

The government of England will never rise to so exalted a pitch of glory, nor will its end be so fatal. The English are not fired with the splendid folly of making conquests, but would only prevent their neighbours from conquering. They are not only jealous of their own liberty, but even of that of other nations. The English were exasperated against Lewis

THE
the fourth
cause he
gainst his
interested
The En
liberties a
seas of b
power.
as great
blood; bu
fence of t
more.

That
land, is no
tries. A ci
key, takes
when imm
troops, it
rest of the
ed with.
the govern
suons than
indeed is r
the king
to seize th
pilot. Th
er; were
er evils th
these civil
ty for the
In the

the fourteenth, for no other reason but because he was ambitious; and declared war against him merely out of levity, not from any interested motives.

The English have doubtless purchased their liberties at a very high price, and waded thro' seas of blood to drown the idol of arbitrary power. Other nations have been involved in as great calamities, and have shed as much blood; but then the blood they spilt in defence of their liberties, only enslaved them the more.

That which rises to a revolution in England, is no more than a sedition in other countries. A city in Spain, in Barbary, or in Turkey, takes up arms in defence of its privileges, when immediately it is stormed by mercenary troops, it is punished by executioners, and the rest of the nation kiss the chains they are loaded with. The French are of opinion, that the government of this island is more tempestuous than the sea which surrounds it; which indeed is true; but then it is never so but when the king raises the storm; when he attempts to seize the ship of which he is only the chief pilot. The civil wars of France lasted longer; were more cruel, and productive of greater evils than those of England: but none of these civil wars had a wise and prudent liberty for their object.

In the detestable reigns of Charles the ninth

and Henry the third, the whole affair was only whether the people should be slaves to the Guises. With regard to the last war of Paris, it deserves only to be hooted at. Methinks I see a croud of school-boys rising up in arms against their master, and afterwards whipped for it. Cardinal de Retz, who was witty and brave, but to no purpose; rebellious without a cause; factious without design, and head of a defenceless party, caballed for caballing sake, and seemed to foment the civil war merely out of diversion. The parliament did not know what he intended, nor what he did not intend. He levied troops by act of parliament, and the next moment cashiered them. He threatened, he begged pardon; he set a price upon cardinal Mazarine's head, and afterwards congratulated him in a public manner. Our civil wars under Charles the sixth were bloody and cruel, those of the league execrable, and that of the * Frondeurs ridiculous.

That for which the French chiefly reproach the English nation, is the murder of king Charles the first, whom his subjects treated exactly as he would have treated them, had his reign been prosperous. After all, consider

* Frondeurs, in its proper sense Slingers, and figuratively Cavillers, or lovers of contradiction; was a name given to a league or party that opposed the French ministry, *i. e.* cardinal Mazarine in 1648. See Rochefocault's memoirs.

on one side Charles the first defeated in a pitched battle, imprisoned, tried, sentenced to die in Westminster-hall, and then beheaded: and on the other, the emperor Henry the seventh, poisoned by his chaplain at his receiving the sacrament; Henry the third stabbed by a monk; thirty assassinations projected against Henry the fourth; several of them put in execution, and the last bereaving that great monarch of his life. Weigh, I say, all these wicked attempts, and then judge.





LETTER IX.
OF THE GOVERNMENT.

THAT mixture in the English government, that harmony between king, lords, and commons, did not always subsist. England was enslaved for a long series of years by the Romans, the Saxons, the Danes, and the French successively. William the conqueror particularly ruled them with a rod of iron. He disposed as absolutely of the lives and fortunes of his conquered subjects as an eastern monarch; and forbid, upon pain of death, the English both fire or candle in their houses after eight o'clock: whether he did this to prevent their nocturnal meetings, or only to try, by this odd and whimsical prohibition, how far it was possible for one man to extend his power over his fellow-creatures. It is true indeed that the English had parliaments before and after William the conqueror; and they boast of them, as though these assemblies then called parliaments, composed of ecclesiastical tyrants, and of plunderers entitled barons, had been the guardians of the public liberty and happiness.

THE ENGLISH NATION. 47

The Barbarians who came from the shores of the Baltic, and settled in the rest of Europe, brought with them the form of government called states or parliaments, about which so much noise is made, and which are so little understood. Kings indeed were not absolute in those days, but then the people were more wretched upon that very account, and more compleatly enslaved. The chiefs of these savages, who had laid waste France, Italy, Spain and England, made themselves monarchs. Their generals divided among themselves the several countries they had conquered, whence sprung those margraves, those peers, those barons, those petty tyrants, who often contested with their sovereigns for the spoils of whole nations. These were birds of prey, fighting with an eagle for doves, whose blood the victorious was to suck. Every nation, instead of being governed by one master, was trampled upon by an hundred tyrants. The priests soon played a part among them. Before this, it had been the fate of the Gauls, the Germans, and the Britons, to be always governed by their druids, and the chiefs of their villages, an ancient kind of barons, not so tyrannical as their successors. These druids pretended to be mediators between God and man. They enacted laws, they fulminated their excommunications, and sentenced to death. The bishops succeeded, by insensible degrees, to

their temporal authority in the Goth and Vandal government. The popes set themselves at their head, and armed with their briefs, their bulls, and reinforced by monks, they made even kings tremble; deposed and assassinated them at pleasure, and employed every artifice to draw into their own purses monies from all parts of Europe. The weak Ina, one of the tyrants of the Saxon heptarchy in England, was the first monarch that submitted, in his pilgrimage to Rome, to pay St. Peter's penny (equivalent very near to a French crown) for every house in his dominions. The whole island soon followed his example; England became insensibly one of the pope's provinces, and the holy father used to send from time to time his legates thither to levy exorbitant taxes. At last king John delivered up, by a public instrument, the kingdom of England to the pope, who had excommunicated him; but the barons, not finding their account in this resignation, dethroned the wretched king John, and seated Lewis, father to St. Lewis king of France in his place. However they were soon weary of their new monarch, and accordingly obliged him to return back to France.

Whilst that the barons, the bishops and the popes, all laid waste England, where all were for ruling; the most numerous, the most useful, even the most virtuous, and consequently the most venerable part of mankind, consisting

THE
of those
of trader
were not
the people
upon as
of the hu
ages were
they bein
whose bla
sters, who
major part
what they
the world
lords, thar
with the
justice cou
mankind w
ble numb
and was no
er and au
bolished by
of the peop
Happily
visions bet
pires, the
heavy. Li
quarrels of
John and
famous M
which was
the lords;

of those who study the laws and the sciences; of traders, of artificers; in a word, of all who were not tyrants; that is, those who are called the people; these, I say, were by them looked upon as so many animals beneath the dignity of the human species. The commons in those ages were far from sharing in the government, they being villains or peasants, whose labour, whose blood were the property of their masters, who intitled themselves the nobility. The major part of men in Europe were at that time what they are to this day in several parts of the world; they were villains or bondsmen of lords, that is, a kind of cattle bought and sold with the land. Many ages past away before justice could be done to human nature; before mankind were conscious that it was abominable numbers should sow, and but few reap: and was not France very happy, when the power and authority of those petty robbers was abolished by the lawful authority of kings and of the people?

Happily in the violent shocks which the divisions between kings and nobles gave to empires, the chains of nations were more or less heavy. Liberty, in England, sprung from the quarrels of tyrants. The barons forced king John and king Henry the third, to grant the famous Magna Charta, the chief design of which was indeed to make kings dependent on the lords; but then the rest of the nation were

a little favoured in it, in order that they might join, on proper occasions, with their pretended masters. This great charter, which is considered as the sacred origin of the English liberties, shews in itself how little liberty was known.

The title alone proves, that the king thought he had a just right to be absolute; and that the barons, and even the clergy forced him to give up the pretended right, for no other reason but because they were the most powerful.

Magna Charta begins in the following stile, *We grant, of our own free will, the following privileges to the archbishops, bishops, priors and barons of our kingdom, etc.*

The house of commons is not once mentioned in the articles of this charter, a proof that it did not yet exist, or that it existed without power. Mention is therein made, by name, of the freemen of England, a melancholy proof that some were not so. It appears by the thirty second article, that these pretended freemen owed service to their lords. Such a liberty as this was not many removes from slavery.

By article XXI, the king ordains that his officers shall not henceforward seize upon, unless they pay for them, the horses and carts of freemen. The people considered this ordinance as a real liberty, though it was a greater tyranny. Henry the seventh, that happy usurper and great politician, who pretended

THE
to love th
and feare
this mean
riches by
and count
had ruine
vagance,
grees into
The po
fed every
peers were
are proper
no such th
in the illar
barons from
body of pe
them to th
dable.

All the
er house,
the king, a
those places
shall be du
foot of land
of a village
is situated.
only in the
There i

* La haur
to sentence cr
and criminal

to love the barons, though he in reality hated and feared them, got their lands alienated. By this means the *villains*, afterwards acquiring riches by their industry, purchased the estates and country seats of the illustrious peers, who had ruined themselves by their folly and extravagance, and all the lands got by insensible degrees into other hands.

The power of the house of commons increased every day. The families of the ancient peers were at last extinct; and as peers only are properly noble in England, there would be no such thing in strictness of law, as nobility in the island, had not the kings created new barons from time to time, and preserved the body of peers, once a terror to them, to oppose them to the commons since become so formidable.

All these new peers, who compose the higher house, receive nothing but their titles from the king, and very few of them have estates in those places whence they take their titles. One shall be duke of D-----, though he has not a foot of land in Dorsetshire; and another is earl of a village, though he scarce knows where it is situated. The peers have power, but it is only in the parliament house.

There is no such thing here, as * *haute moy-*

* *La haute justice*, is that of a lord, who has power to sentence capitally, and to judge of all causes civil and criminal, those of the crown excepted. *La moy-*

enne, et basse justice, that is, a power to judge in all matters civil and criminal; nor a right or privilege of hunting in the grounds of a citizen, who at the same time is not permitted to fire a gun in his own field.

No one is exempted in this country from paying certain taxes, because he is a nobleman or a priest. All duties and taxes are settled by the house of commons, whose power is greater than that of the peers, though inferior to it in dignity. The spiritual as well as temporal lords have the liberty to reject a money bill brought in by the commons; but they are not allowed to alter any thing in it, and must either pass or throw it out without restriction. When the bill has passed the lords, and is signed by the king, then the whole nation pays, every one in proportion to his revenue or estate, not according to his title, which would be absurd. There is no such thing as an arbitrary subsidy or poll-tax, but a real tax on the lands, of all which an estimate was made in the reign of the famous king William the third.

The land-tax continues still upon the same foot, though the revenue of the lands is increased. Thus no one is tyrannized over, and

enne justice, is empowered to judge of actions relating to guardianships and offences. *La basse justice* takes cognizance of the fees due to the lord, of the havoc of beasts, and of offences. The *moyenne justice* is imaginary, and there is perhaps no instance of its being ever put in execution.

THE ENGLISH NATION. 53

every one is easy. The feet of the peasants are not bruised with wooden shoes; they eat white bread, are well cloathed, and are not afraid of increasing their stock of cattle, nor of tiling their houses, from any apprehensions that their taxes will be raised the year following. The annual income of the estates of a great many commoners in England, amounts to two hundred thousand livres; and yet these do not think it beneath them to plough the lands which enrich them, and on which they enjoy their liberty.



LETTER X.

OF TRADE.

AS trade enriched the citizens of England, so it contributed to their freedom, and this freedom on the other side extended their commerce, whence arose the grandeur of the state. Trade raised by insensible degrees the naval power, which gives the English a superiority over the seas, and they now are masters of very near two hundred ships of war. Posterity will very possibly be surprized to hear that an island, whose only produce is a little lead, tin, fuller's earth, and coarse wool, should become so powerful by its commerce, as to be able to send in 1723, three fleets at the same time to three different and far distanced parts of the globe. One before Gibraltar, conquered, and still possessed by the English; a second to Porto-Bello, to dispossess the king of Spain of the treasures of the West-Indies; and a third into the Baltic, to prevent the northern powers from coming to an engagement.

At the time when Lewis the fourteenth made all Italy tremble, and that his armies, which had already possessed themselves of Savoy and Piedmont, were upon the point of taking Tu-

THE
rin; princ
the midd
Savoy.
ties cannot
dressed hi
These, a
him five r
deliver T
which he
the person
mentioned
"ed your
"laid it o
compliance
lish merch
without fo
Roman ci
does not
lord Town
of his wa
at the tim
Great Br
more than
to live, a
which be
monstrou
their exte
possible t
be no mo
for all an
been thin

rin; prince Eugene was obliged to march from the middle of Germany in order to succour Savoy. Having no money, without which cities cannot be either taken or defended, he addressed himself to some English merchants. These, at an hour and half's warning, lent him five millions, whereby he was enabled to deliver Turin, and to beat the French; after which he wrote the following short letter to the persons who had disbursed him the above-mentioned sums: "Gentlemen, I have received your money, and flatter myself that I have laid it out to your satisfaction." Such a circumstance as this raises a just pride in an English merchant, and makes him presume (not without some reason) to compare himself to a Roman citizen; and indeed a peer's brother does not think traffic beneath him. When the lord Townshend was minister of state, a brother of his was content to be a city merchant; and at the time that the earl of Oxford governed Great Britain, his youngest brother was no more than a factor in Aleppo, where he chose to live, and where he died. This custom, which begins however to be laid aside, appears monstrous to Germans, vainly puffed up with their extraction. These think it morally impossible that the son of an English peer should be no more than a rich and powerful citizen; for all are princes in Germany. There have been thirty highnesses of the same name, all

whose patrimony consisted only in their escutcheons and their pride.

In France the title of marquis is given gratis to any one who will accept of it; and whosoever arrives at Paris from the midst of the most remote provinces with money in his purse, and a name terminating in *ac* or *ille*, may strut about, and cry, such a man as I! A man of my rank and figure! and may look down upon a trader with sovereign contempt; whilst the trader on the other side, by thus often hearing his profession treated so disdainfully, is fool enough to blush at it. However, I need not say which is most useful to a nation; a lord, powdered in the tip of the mode, who knows exactly at what o'clock the king rises and goes to bed; and who gives himself airs of grandeur and state, at the same time that he is acting the slave in the anti-chamber of a prime minister; or a merchant, who enriches his country, and dispatches orders from his compting-house to Surat and Grand Cairo, and contributes to the felicity of the world.





LETTER XI.

OF INOCULATION.

IT is inadvertently affirmed in the christian countries of Europe, that the English are fools and madmen. Fools, because they give their children the small-pox to prevent their catching it; and madmen, because they wantonly communicate a certain and dreadful distemper to their children, merely to prevent an uncertain evil. The English, on the other side, call the rest of the Europeans cowardly and unnatural. Cowardly, because they are afraid of putting their children to a little pain; unnatural, because they expose them to die one time or other of the small-pox. But that the reader may be able to judge, whether the English, or those who differ from them in opinion, are in the right, here follows the history of the famed inoculation, which is mentioned with so much dread in France.

The Circassian women have, from time immemorial, communicated the small-pox to their children, when not above six months old, by making an incision in the arm; and by putting into this incision a pustle, taken carefully from

the body of another child. This pustle produces the same effect in the arm it is laid in, as yeast in a piece of dough: it ferments, and diffuses through the whole mass of blood, the qualities with which it is impregnated. The pustles of the child, in whom the artificial small-pox has been thus inoculated, are employed to communicate the same distemper to others. There is an almost perpetual circulation of it in Circassia; and when unhappily the small-pox has quite left the country, the inhabitants of it are in as great trouble and perplexity, as other nations when their harvest has fallen short.

The circumstance that introduced a custom in Circassia, which appears so singular to others, is nevertheless a cause common to all nations, I mean maternal tenderness and interest.

The Circassians are poor, and their daughters are beautiful; and indeed it is in them they chiefly trade. They furnish with beauties the seraglios of the Turkish sultan, of the Persian sophy, and of all those who are wealthy enough to purchase and maintain such precious merchandize. These maidens are very honourably and virtuously instructed to fondle and caress men; are taught dances of a very polite and effeminate kind; and how to heighten, by the most voluptuous artifices, the pleasures of their disdainful masters for whom they are de-

signed. These unhappy creatures repeat their lesson to their mothers, in the same manner as little girls among us repeat their catechism, without understanding one word they say.

Now it often happened, that after a father and mother had taken the utmost care of the education of their children, they were frustrated of all their hopes in an instant. The small-pox getting into the family, one daughter died of it, another lost an eye, a third had a great nose at her recovery; and the unhappy parents were compleatly ruined. Even frequently, when the small-pox became epidemical, trade was suspended for several years, which thinned very considerably the seraglios of Persia and Turkey.

A trading nation is always watchful over its own interests, and grasps at every discovery that may be of advantage to its commerce. The Circassians observed, that scarce one person in a thousand was ever attacked by a small-pox of a violent kind. That some indeed had this distemper very favourably three or four times, but never twice so as to prove fatal: in a word, that no one ever had it in a violent degree twice in his life. They observed farther, that when the small-pox is of the milder sort, and the pustules have only a tender, delicate skin to break thro', they never leave the least scar in the face. From these natural observations they concluded, that in case an infant of six months

or a year old should have a milder sort of small-pox, he would not die of it, would not be marked, nor be ever afflicted with it again.

In order therefore to preserve the life and beauty of their children, the only thing remaining was, to give them the small-pox in their infant years. This they did, by inoculating, in the body of a child, a pustle taken from the most regular, and at the same time the most favourable sort of small-pox that could be procured.

The experiment could not possibly fail. The Turks, who are people of good sense, soon adopted this custom, insomuch that at this time there is not a bassa in Constantinople, but communicates the small-pox to his children of both sexes, immediately upon their being weaned.

Some pretend, that the Circassians borrowed this custom anciently from the Arabians; but we shall leave the clearing up this point of history to some learned Benedictine, who will not fail to compile a great many folios on this subject, with the several proofs or authorities. All I have to say upon it, is, that in the beginning of the reign of king George the first, the lady Wortley Montague, a woman of as fine a genius, and endued with as great a strength of mind as any of her sex in the British kingdoms, being with her husband, who was ambassador at the Porte, made no scruple to communicate the small-pox to an infant of which she was

delivered in Constantinople. The chaplain represented to his lady, but to no purpose, that this was an unchristian operation, and therefore that it could succeed with none but infidels. However, it had the most happy effect upon the son of the lady Wortley Montague; who, at her return to England, communicated the experiment to the princess of Wales, now queen of England. It must be confessed that this princess, abstracted from her crown and titles, was born to encourage the whole circle of arts, and to do good to mankind. She appears as an amiable philosopher on the throne, having never let slip one opportunity of improving the great talents she received from nature, nor of exerting her beneficence. It is she, who being informed that a daughter of Milton was living, but in miserable circumstances, immediately sent her a considerable present. It is she who protects the learned father Courayer. It is she who condescended to attempt a reconciliation between Dr. Clark and Mr. Leibnitz. The moment she heard of inoculation, she caused an experiment of it to be made on four criminals sentenced to die, and by that means saved their lives doubly; for she not only saved them from the gallows, but, by means of this artificial small-pox, prevented their ever having that distemper in a natural way, with which they would very probably been attacked one time or other,

and might have died of in a more advanced age.

The princess, being assured of the usefulness of this operation, caused her own children to be inoculated. A great part of the kingdom followed her example, and since that time ten thousand children, at least, of persons of condition, owe in this manner their lives to her majesty, and to the lady Wortley Montague; and as many of the fair sex are obliged to them for their beauty.

Upon a general calculation, three-score persons in every hundred have the small-pox. Of these three-score, twenty die of it in the most favourable season of life, and as many more wear the disagreeable remains of it as long as they live. Thus, a fifth part of mankind either die, or are disfigured by this distemper. But it does not prove fatal to so much as one, among those who are inoculated in Turkey or in England, unless the patient be infirm, or would have died had not the experiment been made upon him. Besides no one is disfigured, no one has the small-pox a second time, if the inoculation was perfect. It is therefore certain, that had the lady of some French ambassador brought the secret from Constantinople to Paris the nation would have been for ever obliged to her. Then the duke de Villequier father to the duke d'Aumont, who enjoys the most vigorous constitution, and is the healthiest

man in France, would not have been cut off in the flower of his age.

The prince of Soubise, happy in the finest flush of health, would not have been snatched away at five and twenty; nor the dauphin, grand-father to Lewis fifteenth have been laid in his grave in his fiftieth year. Twenty thousand persons, whom the small-pox swept away at Paris in 1723 would have been alive at this time. But are not the French fond of life, and is beauty so inconsiderable an advantage as to be disregarded by the ladies! It must be confessed that we are an odd kind of people. Perhaps our nation will imitate, ten years hence, this practice of the English, if the clergy and the physicians will but give them leave to do it: or possibly our countrymen may introduce inoculation three months hence in France out of mere whim, in case the English should discontinue it through fickleness.

I am informed that the Chinese have practised inoculation these hundred years, a circumstance that argues very much in its favour, since they are thought to be the wisest and best governed people in the world. The Chinese indeed do not communicate this distemper by inoculation, but at the nose, in the same manner as we take snuff. This is a more agreeable way, but then it produces the like effects, and proves, at the same time, that had inoculation been practised in France, it would have saved the lives of thousands.



LETTER XII.
OF THE LORD BACON.

NOT long since, the trite and frivolous question following was debated in a very polite and learned company, viz. who was the greatest man, Caesar, Alexander, Tamerlane, Cromwell, etc.

Some body answered, that Sir Isaac Newton excelled them all. The gentleman's assertion was very just; for if true greatness consists in having received from heaven a mighty genius, and having employed it to enlighten our own minds and that of others; a man like Sir Isaac Newton, whose equal is hardly found in a thousand years, is the truly great man. And those politicians and conquerors (and all ages produce some) were generally so many illustrious wicked men. That man claims our respect, who commands over the minds of the rest of the world by the force of truth, not those who enslave their fellow-creatures; he who is acquainted with the universe, not they who deface it.

Since therefore you desire me to give you an account of the famous personages which

England has given birth to, I shall begin with lord Bacon, Mr. Locke, Sir Isaac Newton, etc. afterwards the warriors and ministers of state shall come in their order.

I must begin with the celebrated viscount Verulam, known in Europe by the name of Bacon, which was that of his family. His father had been lord-keeper, and himself was a great many years lord chancellor under king James the first. Nevertheless, amidst the intrigues of a court, and the affairs of his exalted employment, which alone were enough to engross his whole time, he yet found so much leisure for study, as to make himself a great philosopher, a good historian, and an elegant writer; and a still more surprizing circumstance is, that he lived in an age in which the art of writing justly and elegantly was little known, much less true philosophy. Lord Bacon, as is the fate of man, was more esteemed after his death than in his life-time. His enemies were in the British court, and his admirers were foreigners.

When the marquis d'Effiat attended in England upon the princess Henrietta Maria, daughter to Henry the fourth, whom king Charles the first had married, that minister went and visited the lord Bacon, who being at that time sick in his bed, received him with the curtains shut close. You resemble the angels, says the marquis to him; we hear those

beings spoken of perpetually, and we believe them superior to men, but are never allowed the consolation of seeing them.

You know that this great man was accused of a crime very unbecoming a philosopher, I mean bribery and extortion. You know that he was sentenced by the house of lords, to pay a fine of about four hundred thousand French livres; to lose his peerage and his dignity of chancellor. But in the present age, the English revere his memory to such a degree that they will scarce allow him to have been guilty. In case you should ask what are my thoughts on this head, I shall answer you in the words which I heard the lord Bolingbroke use on another occasion. Several gentlemen were speaking, in his company, of the avarice with which the late duke of Marlborough had been charged, some examples whereof being given, the lord Bolingbroke was appealed to (who having been in the opposite party, might perhaps, without the imputation of indecency, have been allowed to clear up that matter :) “ he was so great “ a man, replied his lordship that I have forgot “ his vices.”

I shall therefore confine myself to those things which so justly gained lord Bacon the esteem of all Europe.

The most singular, and the best of all his pieces, is that which, at this time, is the most useless and the least read, I mean his *Novum*

THE
Scientia
with wh
and wh
least, the
The lor
nature, bu
several pat
in his you
phy in the
his power to
instituted to
preving it b
the vacuum
those imper
rance had r
been made
blended with
He is the
phy. It mu
surprising se
his time. T
ing on copp
glasses; the
old men to th
etc. had been
been sought
not one supp
had been ma
and in ages
present? Ba
great change

Scientiarum Organum. This is the scaffold with which the new philosophy was raised; and when the edifice was built, part of it at least, the scaffold was no longer of service.

The lord Bacon was not yet acquainted with nature, but then he knew, and pointed out, the several paths that lead to it. He had despised in his younger years the thing called philosophy in the universities; and did all that lay in his power to prevent those societies of men, instituted to improve human reason, from depraving it by their quiddities, their horrors of the vacuum, their substantial forms, and all those impertinent terms, which not only ignorance had rendered venerable, but which had been made sacred by their being ridiculously blended with religion.

He is the father of experimental philosophy. It must indeed be confessed, that very surprizing secrets had been found out before his time. The sea-compass, printing, engraving on copper-plates, oil-painting, looking-glasses; the art of restoring, in some measure, old men to their sight by spectacles, gun-powder, etc. had been discovered. A new world had been sought for, found, and conquered. Would not one suppose that these sublime discoveries had been made by the greatest philosophers, and in ages much more enlightened than the present? But it was far otherwise; all these great changes happened in the most stupid and

barbarous times. Chance only gave birth to most of those inventions; and it is very probable that what is called chance contributed very much to the discovery of America; at least it has been always thought that Christopher Columbus undertook his voyage merely on the relation of a captain of a ship, which a storm had drove as far westward, as the Caribbee islands. Be this as it will, men had sailed round the world, and could destroy cities by an artificial thunder, more dreadful than the real one: but, then they were not acquainted with the circulation of the blood, the weight of the air, the laws of motion, light, the number of our planets, etc. And a man who maintained a thesis on Aristotle's categories; on the universals *a parte rei*, or such like nonsense, was looked upon as a prodigy.

The most astonishing, the most useful inventions, are not those which reflect the greatest honour on the human mind. It is to a mechanical instinct, which is found in many men, and not to true philosophy, that most arts owe their origin.

The discovery of fire, the art of making bread, of melting and preparing metals, of building houses, and the invention of the shuttle are infinitely more beneficial to mankind than printing or the sea-compass: and yet these arts were invented by uncultivated, savage men.

THE E
What a
mans made
thelefs,
heavens; ma
sometimes fa
greatest phi
found that t
had been de
In a word
was acquainte
not with the
have been ma
them but is f
Gill had ma
pneumatic en
sibility of th
is it were, to
had very nea
Tortelli fei
time experim
tuated on a f
It was a hidd
had some not
phers, encour
ed to dig up
But that w
read in his w
tradition, the
Sir Isaac Ne
We must
there may n

What a prodigious use the Greeks and Romans made afterwards of mechanics! Nevertheless, they believed that there were crystal heavens; that the stars were small lamps which sometimes fell into the sea; and one of their greatest philosophers, after long researches, found that the stars were so many flints which had been detached from the earth.

In a word, no one, before the lord Bacon, was acquainted with experimental philosophy, nor with the several physical experiments which have been made since his time. Scarce one of them but is hinted at in his work, and he himself had made several. He made a kind of pneumatic engine, by which he guessed the elasticity of the air. He approached, on all sides as it were, to the discovery of its weight, and had very near attained it; but, some time after, Toricelli seized upon this truth. In a little time experimental philosophy began to be cultivated on a sudden in most parts of Europe. It was a hidden treasure which the lord Bacon had some notion of, and which all the philosophers, encouraged by his promises, endeavoured to dig up.

But that which surprized me most, was to read in his work, in express terms, the new attraction, the invention of which is ascribed to Sir Isaac Newton.

We must search, says lord Bacon, whether there may not be a kind of magnetic power,

which operates between the earth and heavy bodies, between the moon and the ocean, between the planets, etc. In another place he says, either heavy bodies must be carried towards the center of the earth, or must be reciprocally attracted by it; and in the latter case it is evident, that the nearer bodies, in their falling, draw towards the earth, the stronger they will attract one another. We must, says he, make an experiment, to see whether the same clock will go faster on the top of a mountain or at the bottom of a mine; whether the strength of the weights decreases on the mountain, and increases in the mine. It is probable, that the earth has a true attractive power.

This fore-runner in philosophy was also an elegant writer, an historian, and a wit.

His moral essays are greatly esteemed, but they were drawn up in the view of instructing rather than of pleasing: and as they are not a satire upon mankind, like Rochefoucault's maxims, nor written upon a sceptical plan, like Montagne's essays, they are not so much read as these two ingenious authors.

His history of king Henry the seventh was looked upon as a master-piece; but how is it possible that some persons can presume to compare so little a work with the history of our illustrious Thuanus.

Speaking about the famous impostor Perkin,

THE
son to a c
the name
of Englan
Burgundy
Henry the
follows:

"At th
"haunted
"ous artis
"up the g
"cond son
"and rex t
"After f
"gundy) th
"perfect in
"her self
"should fir
"be upon th
"had the l
"fore." ¶
Methinks
give into such
ed upon as
called nonen

* John
† The histo
ranch, page 112
§ 1de

son to a converted * Jew, who assumed boldly the name and title of Richard the fourth, king of England, at the instigation of the duchess of Burgundy; and who disputed the crown with Henry the seventh, the lord Bacon writes as follows:

“ At this time the king began again to be haunted with spirits, by the magic and curious arts of the lady Margaret; who raised up the ghost of Richard duke of York, second son to king Edward the fourth, to walk and vex the king.” †

“ After such time as she (Margaret of Burgundy) thought he (Perkin Warbeck) was perfect in his lesson, she began to cast with herself from what coast this blazing-star should first appear, and at what time it must be upon the horizon of Ireland; for there had the like meteor strong influence before.” ¶

Methinks our sagacious Thuanus does not give into such fustian, which formerly was looked upon as sublime, but in this age is justly called nonsense.

* John Osbeck.

† The history of the reign of king Henry the seventh, page 112. London, printed in 1641. Folio.

¶ Idem, p. 116.



LETTER XIII.

OF MR. LOCKE.

PERHAPS no man ever had a more judicious, or more methodical genius, or was a more acute logician, than Mr. Locke; and yet he was not deeply skilled in the mathematics. This great man could never subject himself to the tedious fatigue of calculations, nor to the dry pursuit of mathematical truths, which do not at first present any sensible objects to the mind; and no one has given better proofs than he, that it is possible for a man to have a geometrical head, without the assistance of geometry. Before his time, several great philosophers had declared, in the most positive terms, what the soul of man is; but as these absolutely knew nothing about it, they might very well be allowed to differ entirely in opinion from one another.

In Greece, the infant seat of arts and of errors, and where the grandeur as well as folly of the human mind went such prodigious lengths, the people used to reason about the soul in the very same manner as we do

The divine Anaxagoras, in whose honour an

altar was erected, for his having taught mankind that the Sun was greater than Peloponnesus, that snow was black, and that the heavens were of stone; affirmed that the soul was an aerial spirit, but at the same time immortal. Diogenes (not he who was a cynical philosopher after having coined base money) declared that the soul was a portion of the substance of God; an idea which we must confess was very sublime. Epicurus maintained that it was composed of parts in the same manner as the body.

Aristotle, who has been explained a thousand ways, because he is unintelligible, was of opinion, according to some of his disciples, that the understanding in all men is one and the same substance.

The divine Plato, master of the divine Aristotle, and the divine Socrates, master of the divine Plato, used to say, that the soul was corporeal and eternal. No doubt but the Demon of Socrates had instructed him in the nature of it. Some people, indeed, pretend, that a man, who boasted his being attended by a familiar genius, must infallibly be either a knave or a madman; but this kind of people are seldom satisfied with any thing but reason.

With regard to the fathers of the church, several in the primitive ages believed that the soul was human, and the angels and God corporeal. Men naturally improve upon every

system. St. Bernard, as father Mabillon confesses, taught that the soul after death does not see God in the celestial regions, but converses with Christ's human nature only. However, he was not believed this time on his bare word; the adventure of the crusade having a little sunk the credit of his oracles. Afterwards a thousand schoolmen arose, such as the irrefragable * doctor, the subtile doctor †, the angelic doctor ¶, the seraphic doctor ‡, and the cherubic doctor, who were all sure that they had a very clear and distinct idea of the soul, and yet wrote in such a manner, that one would conclude they were resolved no one should understand a word in their writings. Our Des Cartes, born to discover the errors of antiquity, and at the same time to substitute his own, and hurried away by that systematic spirit which throws a cloud over the minds of the greatest men, thought that he had demonstrated that the soul is the same thing as thought, in the same manner as matter, in his opinion, is the same as extension. He asserted, that man thinks eternally, and that the soul at its coming into the body, is informed with the whole series of metaphysical notions; knowing God, infinite space, possessing all abstract ideas; in a word, compleatly endued with the most

* Alexander de Hales.

† Duns Scotus.

¶ St. Thomas.

‡ St. Bonaventure.

sublime lights, which it unhappily forgets at its issuing out of the womb.

Father Malebranche, in his sublime illusions, not only admitted innate ideas, but did not doubt of our living wholly in God, and that God is, as it were, our soul.

Such a multitude of reasoners having written the romance of the soul, a sage at last arose, who gave, with an air of the greatest modesty, the history of it. Mr. Locke has displayed the human soul, in the same manner as an excellent anatomist explains the springs of the human body. He every where takes the light of physics for his guide. He sometimes presumes to speak affirmatively, but then he presumes also to doubt. Instead of concluding at once what we know not, he examines gradually what we would know. He takes an infant at the instant of his birth; he traces, step by step, the progress of his understanding; examines what thing he has in common with beasts, and what he possesses above them. Above all he consults himself; the being conscious that he himself thinks.

I shall leave, says he, to those who know more of this matter than myself, the examining whether the soul exists before or after the organization of bodies. But I confess that it is my lot to be animated with one of those heavy souls which do not think always; and I am even so unhappy as not to conceive, that

it is more necessary the soul should think perpetually, than that bodies should be for ever in motion.

With regard to myself, I shall boast that I have the honour to be as stupid in this particular as Mr. Locke. No one shall ever make me believe, that I think always; and I am as little inclined as he could be, to fancy that some few weeks after I was conceived I was a very learned soul; knowing at that time a thousand things that I forgot at my birth; and possessing when in the womb (though to no manner of purpose) knowledge which I lost the instant I had occasion for it; and which I have never since been able to recover perfectly.

Mr. Locke after having destroyed innate ideas; after having fully renounced the vanity of believing that we think always; after having laid down, from the most solid principles, that ideas enter the mind through the senses; having examined our simple and complex ideas; having traced the human mind through its several operations; having shewed that all the languages of the world are imperfect, and the great abuse that is made of words every moment; he at last comes to consider the extent or rather the narrow limits of human knowledge. It was in this chapter he presumed to advance, but very modestly, the following words, "We shall, perhaps, never be ca-

THE
"pable of
"material,
tion was, b
on as a sc
material an
vout after t
superstitious
in an army
a panic fear,
was loudly ex
ed to destroy
had nothing
sion purely p
dent on faith
ponents need
partially, whe
can think, im
ther God is ab
matter. But d
declarations wi
ed when peopl
in which they
es, who used t
spoke irreveren
cause he ridic
Bishop Stilling
and unprejudic
expressly make
dispute with M
ed the lists aga
he argued as a

“pable of knowing, whether a being, purely
 “material, thinks or not.” This sage asser-
 tion was, by more divines than one, looked up-
 on as a scandalous declaration that the soul is
 material and mortal. Some Englishmen, de-
 vout after their way, sounded an alarm. The
 superstitious are the same in society as cowards
 in an army; they themselves are seized with
 a panic fear, and communicate it to others. It
 was loudly exclaimed, that Mr. Locke intend-
 ed to destroy religion; nevertheless religion
 had nothing to do in the affair, it being a que-
 stion purely philosophical, altogether indepen-
 dent on faith and revelation. Mr. Locke’s op-
 ponents needed but to examine, calmly and im-
 partially, whether the declaring that matter
 can think, implies a contradiction; and whe-
 ther God is able to communicate thought to
 matter. But divines are too apt to begin their
 declarations with saying, that God is offend-
 ed when people differ from them in opinion;
 in which they too much resemble the bad po-
 ets, who used to declare publicly that Boileau
 spake irreverently of Lewis the fourteenth, be-
 cause he ridiculed their stupid productions.
 Bishop Stillingfleet got the reputation of a calm
 and unprejudiced divine, because he did not
 expressly make use of injurious terms in his
 dispute with Mr. Locke. That divine enter-
 ed the lists against him, but was defeated; for
 he argued as a schoolman, and Locke as a phi-

lofopher, who was perfectly acquainted with the ftrong as well as the weak fide of the human mind, and who fought with weapons whose temper he knew. If I might presume to give my opinion on fo delicate a fubject after Mr. Locke, I would fay, that men have long difputed on the nature and the immortality of the foul. With regard to its immortality, it is impoffible to give a demonftration of it, fince its nature is ftill the fubject of controversy; which however muft be thoroughly underftood, before a perfon can be able to determine whether it be immortal or not. Human reafon is fo little able, merely by its own ftrength, to demonftrate the immortality of the foul, that it was abfolutely neceffary religion fhould reveal it to us. It is of advantage to fociety in general, that mankind fhould believe the foul to be immortal; faith commands us to this; nothing more is required, and the matter is cleared up at once. But it is otherwife with refpect to its nature; it is of little importance to religion, which only requires the foul to be virtuous, what fubftance it be made of. It is a clock which is given us to regulate, but the artift has not told us of what materials the fpring of the clock is compofed.

I am a body, and I think, that is all I know of the matter. Shall I afcribe to an unknown caufe, what I can fo eafily impute to the only fecond caufe I am acquainted with? here all

THE E
the fchool
their argum
extention
they can ha
Now motion
not form a
cannot be r
mighty seri
than this; I
ter is; I gu
ties of it; n
ther thefe p
As I therefo
tively that m
ner do the fo
Mr. Locke
candid, fince
confels your
ther your im
comprehend
ticle of ideas
what manner
is fufceptible
hend either m
fame to affect
The fupern
and declares
the good of
pect that it
without any
would thefe

the school philosophers interrupt me with their arguments, and declare that there is only extension and solidity in bodies, and that there they can have nothing but motion and figure. Now motion, figure, extension and solidity cannot form a thought, and consequently the soul cannot be matter. All this, so often repeated, mighty series of reasoning amounts to no more than this; I am absolutely ignorant what matter is; I guess but imperfectly some properties of it; now, I absolutely cannot tell whether these properties may be joined to thought. As I therefore know nothing, I maintain positively that matter cannot think. In this manner do the schools reason.

Mr. Locke addressed these gentlemen in the candid, sincere manner following. At least confess yourselves to be as ignorant as I. Neither your imaginations nor mine are able to comprehend in what manner a body is susceptible of ideas; and do you conceive better in what manner a substance of what kind soever, is susceptible of them? as you cannot comprehend either matter or spirit, why will you presume to assert any thing?

The superstitious man comes afterwards, and declares that all those must be burnt for the good of their souls, who so much as suspect that it is possible for the body to think without any foreign assistance. But what would these people say should they themselves

be proved irreligious? and indeed what man can presumed to assert, without being guilty at the same time of the greatest impiety, that it is impossible for the Creator to form matter with thought and sensation? Consider only, I beg you, what a dilemma you bring yourselves into; you who confine in this manner the power of the Creator. Beasts have the same organs, the same sensations, the same perceptions as we; they have memory, and combine certain ideas. In case it was not in the power of God to animate matter, and inform it with sensation, the consequence would be, either that beasts are mere machines, or that they have a spiritual soul.

It methinks it is clearly evident that beasts cannot be mere machines, which I prove thus. God has given them the same organs of sensation as to us: if therefore they have no sensation, God has created an useless thing; now, according to your own confession, God does nothing in vain; he therefore did not create so many organs of sensation, merely for them to be uninformed with this faculty; consequently beasts are not mere machines. Beasts, according to your assertion, cannot be animated with a spiritual soul; you will therefore, in spite of yourself, be reduced to this only assertion, viz. that God has endued the organs of beasts, who are mere matter, with the faculties of sensation and perception, which you

THE E
call instinct
if he please
create organs
and thinking
To whatever
acknowledge
boundless pr
therefore no
deft philosoph
from interfer
use to demon
gion wanted a
lophony can b
tion, which af
comes clearly,
ness, declares
worle to God
principles.
Besides, we
any philosophi
the religion of
monitions cl
that is nothing
are not less re
Christian philo
that the obj
up of a very
will never torn
which is, the
for the vulga
from enthu

call instinct in them. But why may not God, if he pleases, communicate to our more delicate organs that faculty of feeling, perceiving, and thinking, which we call human reason? To whatever side you turn, you are forced to acknowledge your own ignorance, and the boundless power of the Creator. Exclaim therefore no more against the sage, the modest philosophy of Mr. Locke, which, so far from interfering with religion, would be of use to demonstrate the truth of it, in case religion wanted any such support. For what philosophy can be of a more religious nature than that, which affirming nothing but what it conceives clearly, and conscious of its own weakness, declares that we must always have recourse to God in our examining of the first principles.

Besides, we must not be apprehensive, that any philosophical opinion will ever prejudice the religion of a country. Though our demonstrations clash directly with our mysteries, that is nothing to the purpose, for the latter are not less revered upon that account by our Christian philosophers, who know very well that the objects of reason and those of faith are of a very different nature. Philosophers will never form a religious sect, the reason of which is, their writings are not calculated for the vulgar, and they themselves are free from enthusiasm. If we divide mankind into

twenty parts, it will be found that nineteen of these consists of persons employed in manual labour, who will never know that such a man as Mr. Locke ever existed. In the remaining twentieth part, how few are readers! and among such as are so, twenty amuse themselves with romances to one who studies philosophy. The thinking part of mankind are confined to a very small number, and these will never disturb the peace and tranquillity of the world.

Neither Montagne, Locke, Bayle, Spinoza, Hobbes, the lord Shaftsbury, Collins nor Toland, lighted up the firebrand of discord in their countries; this has generally been the work of divines, who being at first puffed up with the ambition of becoming chiefs of a sect, soon grew very desirous of being at the head of a party. But what do I say? all the works of the modern philosophers put together will never make so much noise as even the dispute which arose among the Franciscans, merely about the fashion of their sleeves and of their cowls.



A French
find ph
ry much ch
world a plen
At Paris the
ries of sub
seen in Lond
of the moon
land it is the
moon; so tha
should make i
fancy it shoul
cannot be p
it is necessary
have been en
the creation.

You will ob
in France is f
air, comes
of in allstanc
ans, every thi
of which we



LETTER XIV.

OF DES CARTES AND SIR
ISAAC NEWTON.

A Frenchman, who arrives in London, will find philosophy like every thing else very much changed there. He had left the world a *plenum*, and he now finds it a *vacuum*. At Paris the universe is seen composed of vortices of subtle matter; but nothing like it is seen in London. In France it is the pressure of the moon that causes the tides; but in England it is the sea that gravitates towards the moon; so that when you think that the moon should make it flood with us, those gentlemen fancy it should be ebb, which, very unluckily, cannot be proved. For to be able to do this, it is necessary the moon and the tides should have been enquired into, at the very instant of the creation.

You will observe farther, that the sun, which in France is said to have nothing to do in the affair, comes in here for very near a quarter of its assistance. According to your Cartesians, every thing is performed by an impulsion, of which we have very little notion; and ac-

cording to Sir Isaac Newton, it is by an attraction, the cause of which is as much unknown to us. At Paris you imagine that the earth is shaped like a melon, or of an oblique figure; at London it has an oblate one. A Cartesian declares that light exists in the air; but a Newtonian asserts that it comes from the sun in six minutes and a half. The several operations of your chymistry are performed by acids, alkalies, and subtil matter; but attraction prevails even in chymistry among the English.

The very essence of things is totally changed. You neither are agreed upon the definition of the soul, nor on that of matter. Des Cartes, as I observed in my last, maintains that the soul is the same thing with thought; and Mr. Locke has given a pretty good proof of the contrary.

Des Cartes asserts farther, that extension alone constitutes matter, but Sir Isaac adds solidity to it.

How furiously contradictory are these opinions!

Non nostrum inter vos tantas componere lites.

Virg. Eclog. 3.

'Tis not for us to end such great disputes.

This famous Newton, this destroyer of the Cartesian system, died in March Anno 1727.

THE ENGLISH NATION. 83

His countrymen honoured him in his life-time, and interred him as though he had been a king who had made his people happy.

The English read with the highest satisfaction, and translated into their tongue, the eulogium of Sir Isaac Newton, which M. de Fontenelle spoke in the academy of sciences. M. de Fontenelle presides as judge over philosophers: and the English expected his decision, as a solemn declaration of the superiority of the English philosophy over that of the French. But when it was found that this gentleman had compared Des Cartes to Sir Isaac, the whole Royal society in London rose up in arms. So far from acquiescing with M. Fontenelle's judgment, they criticised his discourse. And even several (who however were not the ablest philosophers in that body) were offended at the comparison; and for no other reason but because Des Cartes was a Frenchman.

It must be confessed that these two great men differed very much in conduct, in fortune and in philosophy.

Nature had indulged Des Cartes a shining and strong imagination, whence he became a very singular person both in private life, and in his manner of reasoning. This imagination could not conceal itself even in his philosophical works, which are every where adorned with very shining, ingenious metaphors and figures. Nature had almost made him a poet;

and indeed he wrote a piece of poetry for the entertainment of Christina queen of Sweden, which however was suppressed in honour to his memory.

He embraced a military life for some time, and afterwards becoming a complete philosopher, he did not think the passion of love derogatory to his character. He had by his mistress a daughter called Froncine, who died young, and was very much regretted by him. Thus he experienced every passion incident to mankind.

He was a long time of opinion, that it would be necessary for him to fly from the society of his fellow creatures, and especially from his native countrymen, in order to enjoy the happiness of cultivating his philosophical studies in full liberty.

Des Cartes was very right; for his contemporaries were not knowing enough to improve and enlighten his understanding, and were capable of little else than of giving him uneasiness.

He left France purely to go in search of truth, which was then persecuted by the wretched philosophy of the schools. However, he found that reason was as much disguised and depraved in the universities of Holland, into which he withdrew, as in his own country. For at the time that the French condemned the only propositions of his philosophy which

THE EN
were true, he
ed philosophers
him no better
of his glory, h
that he was ob
Cartes was inju
theit, the last r
he who had emp
neration of his
proofs of the ex
ed to believe th
Such a perfec
sarily suppose a
very distinguish
possessed both
ray upon the wo
schools, and the
tion. At last h
that the French
back into his na
accordingly offe
a thousand cro
Cartes returned
his patent, whic
pension was se
joined, he ret
Holland, where
philosophy, wh
score years of
of the inquisiti
ed the earth's

were true, he was persecuted by the pretended philosophers of Holland, who understood him no better ; and who, having a nearer view of his glory, hated his person the more, so that he was obliged to leave Utrecht. Des Cartes was injuriously accused of being an atheist, the last refuge of religious scandal : and he who had employed all the sagacity and penetration of his genius, in searching for new proofs of the existence of a God, was suspected to believe there was no such being.

Such a persecution from all sides must necessarily suppose a most exalted merit, as well as very distinguished reputation : and indeed he possessed both. Reason at that time darted a ray upon the world through the gloom of the schools, and the prejudices of popular superstition. At last his name spread so universally, that the French were desirous of bringing him back into his native country by rewards, and accordingly offered him an annual pension of a thousand crowns. Upon these hopes Des Cartes returned to France ; paid the fees of his patent, which was sold at that time, but no pension was settled upon him. Thus disappointed, he returned to his solitude in North Holland, where he again pursued the study of philosophy, whilst the great Galileo, at fourscore years of age, was groaning in the prisons of the inquisition, only for having demonstrated the earth's motion.

At last Des Cartes was snatched from the world in the flower of his age at Stockholm. His death was owing to a bad regimen, and he expired in the midst of some literati who were his enemies, and under the hands of a physician to whom he was odious.

The progress of Sir Isaac Newton's life was quite different. He lived happy, and very much honoured in his native country, to the age of fourscore and five years.

It was his peculiar felicity, not only to be born in a country of liberty, but in an age when all scholastic impertinences were banished from the world. Reason alone was cultivated, and mankind could only be his pupil, not his enemy.

One very singular difference in the lives of these two great men is, that Sir Isaac, during the long course of years he enjoyed, was never sensible to any passion, was not subject to the common frailties of mankind, nor ever had any commerce with women; a circumstance which was assured me by the physician and surgeon who attended him in his last moments.

We may admire Sir Isaac Newton on this occasion, but then we must not censure Des Cartes.

The opinion that generally prevails in England with regard to these new philosophers is,

THE ENO
that the latter w
a page

Very few pr
es, whose work
the other side, bu
of Sir Isaac, bec
must be deeply st
therwise those wo
him. But notwith
men are the subj
Sir Isaac Newton
willst Des Cartes
According to som
we owe the discov
is a heavy bod
deceives. In a wo
the Hercules of
the ignorant ascrib
heres.

In a critique th
"de Fontenelle"
aimed to assert the
geometrician. T
rious may be rep
miller's face. D
of geometry as fa
found them, as Si
former first taut
curves by equatio
chained to him fo
was to abstruse in

that the latter was a dreamer, and the former a sage.

Very few people in England read Des Cartes, whose works indeed are now useless. On the other side, but a small number peruse those of Sir Isaac, because to do this the student must be deeply skilled in the mathematics, otherwise those works will be unintelligible to him. But notwithstanding this, these great men are the subject of every one's discourse. Sir Isaac Newton is allowed every advantage, whilst Des Cartes is not indulged a single one. According to some, it is to the former that we owe the discovery of a vacuum, that the air is a heavy body, and the invention of telescopes. In a word, Sir Isaac Newton is here as the Hercules of fabulous story, to whom the ignorant ascribed all the feats of ancient heroes.

In a critique that was made in London on M. de Fontenelle's discourse, the writer presumed to assert that Des Cartes was not a great geometrician. Those who make such a declaration may be reproached with flying in their master's face. Des Cartes extended the limits of geometry as far beyond the place where he found them, as Sir Isaac did after him. The former first taught the method of expressing curves by equations. This geometry, which, thanks to him for it, is now grown common, was so abstruse in his time, that not so much

as one professor would undertake to explain it, and Schotten in Holland, and Format in France were the only men who understood it.

He applied his geometrical and inventive genius to dioptrics, which, when treated of by him, became a new art. And if he was mistaken in some things, the reason of that is, a man who discovers a new tract of land cannot at once know all the properties of the soil. Those who come after him, and make these lands fruitful, are at least obliged to him for the discovery. I will not deny but there are innumerable errors in the rest of Des Cartes' works.

Geometry was a guide he himself had in some measure fashioned, which would have conducted him safely through the several paths of natural philosophy. Nevertheless he at last abandoned this guide, and gave entirely into the forming hypotheses; and then philosophy was no more than an ingenious romance, fit only to amuse the ignorant. He was mistaken in the nature of the soul, in the proofs of the existence of a God, in matter, in the laws of motion, and in the nature of light. He admitted innate ideas, he invented new elements, he created a world; he made man according to his own fancy; and it is justly said, that the man of Des Cartes is in fact that of Des Cartes only, very different from the real one.

THE EN
He pushed
to declare tha
no other reac
it so. However
great a compli
valuable even
himself, but th
cal way. He d
as with which
two thousand ye
poraries how to
employ his own
Des Cartes did
however did gre
of a base alloy.
I indeed belie
time to compare
with that of Sir
an essay, the
then the man,
path of truth, w
was as he who a
Des Cartes ga
for the errors
ness. The par
ome boundless.
during some year
ies: but now all
al academies in

He pushed his metaphysical errors so far, as to declare that two and two make four, for no other reason but because God would have it so. However it will not be making him too great a compliment if we affirm that he was valuable even in his mistakes. He deceived himself, but then it was at least in a methodical way. He destroyed all the absurd chimeras with which youth had been infatuated for two thousand years. He taught his contemporaries how to reason, and enabled them to employ his own weapons against himself. If Des Cartes did not pay in good money, he however did great service in crying down that of a base alloy.

I indeed believe, that very few will presume to compare his philosophy in any respect with that of Sir Isaac Newton. The former is an essay, the latter a master-piece: but then the man, who first brought us to the path of truth, was, perhaps, as great a genius as he who afterwards conducted us thro' it.

Des Cartes gave sight to the blind. These saw the errors of antiquity and of the sciences. The path he struck out is since become boundless. Rohault's little work was during some years a compleat system of physics: but now all the transactions of the several academies in Europe put together do not

92 LETTERS CONCERNING

form so much as the beginning of a system. In fathoming this abyfs no bottom has been found. We are now to examine what discoveries Sir Isaac Newton has made in it.



THE EN



LE

OF A

THE disc

Newton
in the system of
metrical infinite
with which he
fatigue of his se

I will now ac
(if possible) with
ble to comprehe
With regard to
putes were a l
case that turns
their orbits; an
all bodies here b
the earth.

The system o
improved since
ble reason for
this reason seem
and intelligible
philosophy a studen
he fancies he un
as of those he c

LETTER XV.
OF ATTRACTION.

THE discoveries, which gained Sir Isaac Newton so universal a reputation, relate to the system of the world, to light, to geometrical infinities, and lastly to chronology, with which he used to amuse himself after the fatigue of his severer studies.

I will now acquaint you (without prolixity if possible) with the few things I have been able to comprehend of all these sublime ideas. With regard to the system of our world, disputes were a long time maintained, on the cause that turns the planets, and keeps them in their orbits; and on those causes which make all bodies here below descend to the surface of the earth.

The system of Des Cartes, explained and improved since his time, seemed to give a plausible reason for all those phaenomena; and this reason seemed more just, as it is simple, and intelligible to all capacities. But in philosophy a student ought to doubt of the things he fancies he understands too easily, as much as of those he does not understand.

Gravity, the falling of accelerated bodies on the earth, the revolution of the planets in their orbits, their rotations round their axes, all this is mere motion. Now motion cannot perhaps be conceived any otherwise than by impulsion; therefore all these bodies must be impelled. But by what are they impelled? all space is full, it therefore is filled with a very subtile matter, since this is imperceptible to us; this matter goes from west to east, since all the planets are carried from west to east. Thus from hypotheses to hypotheses, from one appearance to another, philosophers have imagined a vast whirlpool of subtile matter, in which the planets are carried round the sun, they also have created another particular vortex which floats in the great one, and which turns daily round the planets. When all this is done, it is pretended that gravity depends on this diurnal motion; for, say these, the velocity of the subtile matter that turns round our little vortex must be seventeen times more rapid than that of the earth; or, in case its velocity is seventeen times greater than that of the earth, its centrifugal force must be vastly greater, and consequently impell all bodies towards the earth. This is the cause of gravity according to the Cartesian system. But the theorist, before he calculated the centrifugal force and velocity of the subtile matter, should first have been certain that it existed.

THE EN
Sir Isaac Ne
all these great
which carries
well as the
set to turn upon
First, with re
vortex of the ea
must lose its mo
is demonstrated,
kind, its density
earth; and in ca
the bodies we en
with an insupera
With regard
still more chime
make them agree
of which has be
shows, that the
which Jupiter is
not the same v
tion of the flui
volution of Jupit
earth. He prov
their revolutions
being at a much
other in the A
their Perihelia;
hence, ought to
Jenus and Mars
along, being

Sir Isaac Newton seems to have destroyed all these great and little vortices, both that which carries the planets round the sun, as well as the other which supposes every planet to turn upon its own axis.

First, with regard to the pretended little vortex of the earth, it is demonstrated that it must lose its motion by insensible degrees; it is demonstrated, that if the earth swims in a fluid, its density must be equal to that of the earth; and in case its density be the same, all the bodies we endeavour to move must meet with an insuperable resistance.

With regard to the great vortices, they are still more chimerical, and it is impossible to make them agree with Kepler's law, the truth of which has been demonstrated. Sir Isaac shews, that the revolution of the fluid, in which Jupiter is supposed to be carried, is not the same with regard to the revolution of the fluid of the earth, as the revolution of Jupiter with respect to that of the earth. He proves, that as the planets make their revolutions in ellipses, and consequently being at a much greater distance one from the other in the Aphelia, and a little nearer in their Perihelia; the earth's velocity, for instance, ought to be greater, when it is nearer Venus and Mars, because the fluid that carries it along, being then more pressed, ought to

have a greater motion; and yet it is even then that the earth's motion is slower.

He proves that there is no such thing as a celestial matter which goes from west to east, since the comets traverse those spaces, sometimes from east to west, and at other times from north to south.

In fine, the better to resolve, if possible, every difficulty, he proves, and even by experiments, that it is impossible there should be a plenum; and brings back the vacuum, which Aristotle and Des Cartes had banished from the world.

Having by these and several other arguments destroyed the Cartesian vortices, he despaired of ever being able to discover, whether there is a secret principle in nature, which, at the same time is the cause of the motion of all celestial bodies, and that of gravity on the earth. But being retired in 1666, upon account of the plague, to a solitude near Cambridge; as he was walking one day in his garden, and saw some fruits fall from a tree, he fell into a profound meditation on that gravity, the cause of which had so long been sought, but in vain, by all the philosophers, whilst the vulgar think there is nothing mysterious in it. He said to himself, that from what height soever, in our hemisphere, those bodies might descend, their fall would certainly be in the progression discovered by Galileo; and the spaces

THE E
they run thro
times. Why
heavy bodies
any sensible
from the cente
of the highest
may not this p
end in case its
very probable
orbit, and dete
the moon obeys
may we not con
rest of the plan
case this power
it must increas
squares of the
remains is, to e
which should fal
erate height, v
same time, a bo
orbit of the mo
this nothing is w
erit, and the di
Thus Sir Isaac
that time the En
measure of our g
certain suppositio
I agree to cont
interests it consist
reary. As this
gree with the co

they run thro' would be as the square of the times. Why may not this power which causes heavy bodies to descend, and is the same without any sensible diminution at the remotest distance from the center of the earth, or on the summits of the highest mountains; why, said Sir Isaac, may not this power extend as high as the moon? and in case its influence reaches so far, is it not very probable that this power retains it in its orbit, and determines its motion? but in case the moon obeys this principle, whatever it be, may we not conclude very naturally, that the rest of the planets are equally subject to it? in case this power exists, which besides is proved, it must increase in an inverse ratio of the squares of the distances. All therefore that remains is, to examine how far a heavy body, which should fall upon the earth from a moderate height, would go; and how far in the same time, a body which should fall from the orbit of the moon, would descend. To find this nothing is wanted but the measure of the earth, and the distance of the moon from it.

Thus Sir Isaac Newton reasoned. But at that time the English had but a very imperfect measure of our globe, and depended on the uncertain supposition of mariners, who computed a degree to contain but sixty English miles, whereas it consists in reality of very near seventy. As this false computation did not agree with the conclusions which Sir Isaac in-

tended to draw from them, he laid aside this pursuit. A half-learned philosopher, remarkable only for his vanity, would have made the measure of the earth agree, any how, with his system: Sir Isaac, however, chose rather to quit the researches he was then engaged in. But after Mr. Picart had measured the earth exactly, by tracing that meridian, which redounds so much to the honour of the French, Sir Isaac Newton resumed his former reflexions, and found his account in Mr. Picart's calculation.

A circumstance which has always appeared wonderful to me is, that such sublime discoveries should have been made by the sole assistance of a quadrant and a little arithmetic.

The circumference of the earth is one hundred twenty three millions, two hundred forty nine thousand six hundred feet. This, among other things, is necessary to prove the system of attraction.

The instant we know the earth's circumference, and the distance of the moon, we know that of the moon's orbit, and the diameter of this orbit. The moon performs its revolution in that orbit in twenty seven days, seven hours, forty three minutes. It is demonstrated, that the moon in its mean motion makes an hundred and fourscore and seven thousand, nine hundred and sixty feet (of Paris) in a minute. It is likewise demonstrated,

THE E
by a known
which should
of the moon.
than fifteen
Now, if the l
attract one an
squares of th
power acts, a
all nature; it
sary semi-diam
heavy body m
fifteen feet in
thousand feet

Now a hea
feet in the fir
more fifty fo
is the square
Bodies therefo
of the squares
what causes g
the moon in its
er; it being d
vitates on the
particular moti
earth and the
is the center o

The rest o
this general la
planets multifi
covered. All
are indeed ob

by a known theorem, that the central force which should make a body fall from the height of the moon, would make its velocity no more than fifteen Paris feet in a minute of time. Now, if the law by which bodies gravitate, and attract one another in an inverse ratio of the squares of the distances be true; if the same power acts, according to that law, throughout all nature; it is evident that as the earth is sixty semi-diameters distant from the moon, a heavy body must necessarily fall (on the earth) fifteen feet in the first second, and fifty four thousand feet in the first minute.

Now a heavy body falls, in reality, fifteen feet in the first second, and goes in the first minute fifty four thousand feet, which number is the square of sixty multiplied by fifteen. Bodies therefore gravitate in an inverse ratio of the squares of the distances; consequently, what causes gravity on the earth, and keeps the moon in its orbit, is one and the same power; it being demonstrated that the moon gravitates on the earth, which is the center of its particular motion, it is demonstrated that the earth and the moon gravitate on the sun, which is the center of their annual motion.

The rest of the planets must be subject to this general law; and, if this law exists, these planets must follow the laws which Kepler discovered. All these laws, all these relations are indeed observed by the planets with the ut-

most exactness; therefore the power of attraction causes all the planets to gravitate towards the sun, in like manner as the moon gravitates towards our globe.

Finally, as in all bodies, re-action is equal to action, it is certain that the earth gravitates also towards the moon; and that the sun gravitates towards both: that every one of the satellites of Saturn gravitates towards the other four, and the other four towards it; all five towards Saturn, and Saturn towards all. That it is the same with regard to Jupiter; and that all these globes are attracted by the sun, which is reciprocally attracted by them.

This power of gravitation acts proportionably to the quantity of matter in bodies, a truth which Sir Isaac has demonstrated by experiments. This new discovery has been of use to shew, that the sun (the center of the planetary system) attracts them all in a direct ratio of their quantity of matter combined with their nearness. From hence Sir Isaac, rising by degrees to discoveries which seemed not to be formed for the human mind, is bold enough to compute the quantity of matter contained in the sun and in every planet; and in this manner shews, from the simple law of mechanics, that every celestial globe ought necessarily to be where it is placed.

His bare principle of the laws of gravitation accounts for all the apparent inequalities in

THE EN
the course of
ations of the m
of those law
scently seen wh
form their reve
hole of the ear
The several app
also a very simp
proximity of th
then it is new,
ures or quarter
the sun, exhibit
imals and links.
After having
the course and i
subjects comets
is these fires (un
years) which wa
the rock against
ed by Aristotle
ck by Des Ca
sun is at last p
Isaac Newton.
He proves tha
more in the sph
that they describ
ed to near to p
must take up abo
revolution.
The learned
the comet seen

THE ENGLISH NATION. 101

the course of the celestial globes. The variations of the moon are a necessary consequence of those laws. Moreover the reason is evidently seen why the nodes of the moon perform their revolutions in nineteen years, and those of the earth in about twenty six thousand. The several appearances observed in the tides are also a very simple effect of this attraction. The proximity of the moon when at the full, and when it is new, and its distance in the quadratures or quarters combined with the action of the sun, exhibit a sensible reason why the ocean swells and sinks.

After having shewn, by his sublime theory, the course and inequalities of the planets, he subjects comets to the same law. The orbit of these fires (unknown for so great a series of years) which was the terror of mankind, and the rock against which philosophy split; placed by Aristotle below the moon, and sent back by Des Cartes above the sphere of Saturn, is at last placed in its proper seat by Sir Isaac Newton.

He proves that comets are solid bodies which move in the sphere of the sun's activity; and that they describe an ellipsis so very eccentric, and so near to parabolas, that certain comets must take up above five hundred years in their revolution.

The learned Dr. Halley is of opinion, that the comet seen in 1680, is the same which ap-

peared in Julius Caesar's time. This shews more than any other, that comets are hard, opaque bodies; for it descended so near to the sun, as to come within a sixth part of the diameter of this planet from it; and consequently might have contracted a degree of heat two thousand times stronger than that of red hot iron; and would have been soon dispersed in vapour, had in not been a firm, dense body. The guessing the course of comets began then to be very much in vogue; the celebrated Bernoulli concluded by his system, that the famous comet of 1680, would appear again the 17th of May 1719. Not a single astronomer in Europe went to bed that night; however they needed not to have broke their rest, for the famous comet never appeared. There is at least more cunning, if not more certainty, in fixing its return to so remote a distance as five hundred and seventy five years. As to Mr. Whiston, he affirmed very seriously, that in the time of the deluge a comet overflowed the terrestrial globe; and he was so unreasonable as to wonder how people laughed at him for making such an assertion. The ancients were almost in the same way of thinking with Mr. Whiston, and fancied that comets were always the forerunners of some great calamity which was to befall mankind. Sir Isaac Newton, on the contrary, suspected that they are very beneficent; and that vapours exhale from

THE E
them merely
which imbibe
rides the sun
in opinion wi
the former.
er of gravitat
lertial globes,
ral parts of th
attract one ano
ity of matter
in proportion
and if this pos
undoubtedly in
eighth part, an
This is attra
all nature is mo
having demonst
eople, plainly fe
offend; and the
places than one
some caution ab
of confounding
eas called occu
with knowing t
real force whic
the universe, a
of mechanics.
It is surprisi
ons Sir Isaac n
Mr. Sorin and
imposed to thi

them merely to nourish and vivify the planets, which imbibe in their course the several particles the sun has detached from the comets: an opinion which at least is more probable than the former. But this is not all. If this power of gravitation or attraction acts on all the celestial globes, it acts undoubtedly on the several parts of these globes. For in case bodies attract one another in proportion to the quantity of matter contained in them, it can only be in proportion to the quantity of their parts; and if this power is found in the whole, it is undoubtedly in the half, in the quarter, in the eighth part, and so on in infinitum.

This is attraction, the great spring by which all nature is moved. Sir Isaac Newton, after having demonstrated the existence of this principle, plainly foresaw that its very name would offend; and therefore this philosopher in more places than one of his books, gives the reader some caution about it. He bids him beware of confounding this name with what the ancients called occult qualities; but to be satisfied with knowing that there is in all bodies a central force which acts to the utmost limits of the universe, according to the invariable laws of mechanics.

It is surprising, after the solemn protestations Sir Isaac made, that such eminent men as Mr. Sorin and Mr. de Fontenelle, should have imputed to this great philosopher the verbal

and chimerical way of reasoning of the Aristotelians: Mr. Sorin in the memoirs of the academy of 1709, and Mr. de Fontenelle in the very eulogium of Sir Isaac Newton.

Most of the French, the learned and others, have repeated this reproach. These are for ever crying out, Why did he not employ the word impulsion, which is so well understood, rather than that of attraction, which is so unintelligible?

Sir Isaac might have answered these critics thus: First, you have as imperfect an idea of the word impulsion as of that of attraction; and in case you cannot conceive how one body tends towards the center of another body, neither can you conceive by what power one body can impel another.

Secondly, I could not admit of impulsion; for to do this I must have known that a celestial matter was the agent; but so far from knowing that there is any such matter, I have proved it to be merely imaginary.

Thirdly, I use the word attraction for no other reason, but to express a defect which I discovered in nature; a certain and indisputable effect of an unknown principle; a quality inherent in matter, the cause of which persons of greater abilities than I can pretend to, may, if they can, find out.

What have you then taught us? will these people say further; and to what purpose are

THE E
So many calcu
self do not co
I have taug
all bodies grav
portion to the
central forces
acts in their c
in the proporti
fract to you, t
be any other ca
their orbits, th
of gravity. For
according to th
central forces;
course accordin
me there were
on all these bodi
velocity, or cha
one of these bo
motion or reloc
what is demonst
central forces;
their should be
Give me leav
Isaac speaking:
My case and th
ent? These say
pumps, and saic
does a vacuum.
am in the case
observed that

so many calculations to tell us what you yourself do not comprehend?

I have taught you, may Sir Isaac rejoin, that all bodies gravitate towards one another in proportion to their quantity of matter; that these central forces alone keep the planets and comets in their orbits, and cause them to move in the proportion before set down. I demonstrate to you, that it is impossible there should be any other cause which keeps the planets in their orbits, than that general phaenomenon of gravity. For heavy bodies fall on the earth according to the proportion demonstrated of central forces; and the planets finishing their course according to the same proportions, in case there were another power that acted upon all these bodies, it would either increase their velocity, or change their direction. Now not one of these bodies ever has a single degree of motion or velocity, or has any direction but what is demonstrated to be the effect of the central forces; consequently it is impossible there should be any other principle.

Give me leave once more to introduce Sir Isaac speaking: shall he not be allowed to say, My case and that of the ancients is very different? These saw, for instance, water ascend in pumps, and said, the water rises because it abhors a *vacuum*. But with regard to myself, I am in the case of a man who should have first observed that water ascends in pumps, but

should leave others to explain the cause of this effect. The anatomist who first declared, that the motion of the arm is owing to the contraction of the muscles, taught mankind an indisputable truth; but are they less obliged to him because he did not know the reason why the muscles contract? The cause of the elasticity of the air is unknown, but he who first discovered this spring performed a very signal service to natural philosophy. The spring that I discovered was more hidden and more universal, and for that very reason, mankind ought to thank me the more. I have discovered a new property of matter, one of the secrets of the Creator; and have calculated and discovered the effects of it. After this shall people quarrel with me about the name I gave it?

Vortices may be called an occult quality because their existence was never proved: attraction on the contrary is a real thing, because its effects are demonstrated, and the proportions of it are calculated. The cause of this cause is among the arcana of the Almighty.

Procedes huc, et non amplius.

Hither thou shalt go, and no farther.

LETTER XVI.

OF SIR ISAAC NEWTON'S
OPTICS.

THE philosophers of the last age found out a new universe; and a circumstance which made its discovery more difficult was, that no one had so much as suspected its existence. The most sage and judicious were of opinion, that it was a frantic rashness to dare so much as to imagine, that it was possible to guess the laws by which the celestial bodies move, and the manner how light acts. Galileo, by his astronomical discoveries, Kepler by his calculations; Des Cartes (at least in his dioptrics, and Sir Isaac Newton in all his works) severally saw the mechanism of the springs of the world. The geometers have subjected infinity to the laws of calculation. The circulation of the blood in animals, and of the sap in vegetables, have changed the face of nature with regard to us. A new kind of existence has been given to bodies in the air-pump. By the assistance of telescopes bodies have been brought nearer to one another. Finally, the several discoveries which Sir Isaac Newton has

made on light, are equal to the boldest things which the curiosity of men could expect, after so many philosophical novelties.

Till Antonio de Dominis the rainbow was considered as an inexplicable miracle. This philosopher guessed, that it was a necessary effect of the sun and rain. Des Cartes gained immortal fame by his mathematical explication of this so natural a phaenomenon. He calculated the reflections and refractions of light in drops of rain; and his sagacity on this occasion was at that time looked upon as next to divine.

But what would he have said had it been proved to him, that he was mistaken in the nature of light; that he had not the least reason to maintain that it is a globular body; that it is false to assert, that this matter, spreading itself through the whole, waits only to be projected forward by the sun, in order to be put in action, in like manner as a long staff acts at one end when pushed forward by the other; that light is certainly darted by the sun; in fine, that light is transmitted from the sun to the earth in about seven minutes, though a cannon ball, which were not to lose any of its velocity, could not go that distance in less than twenty five years? How great would have been his astonishment, had he been told, that light does not reflect directly by impinging against the solid parts of bodies; that bodies are not trans-

THE EN
parent when
a man should
these paradox
light with mo
dissects a huma
like Newton
the bare affila
composition of
ted, form whi
him divided into
piece of linen,
their order one
equal distances.
range, the thir
first blue, the s
let purple. Ea
afterwards by a
never change th
er as gold, wh
drops, will neve
cible. As a sup
these elementar
that which for
small piece of
let it in the ray
stantly be ting
of a green colo
and so of all th
From what
In nature? It i

parent when they have large pores ; and that a man should arise, who would demonstrate all these paradoxes, and anatomize a single ray of light with more dexterity than the ablest artist dissects a human body ! This man is come. Sir Isaac Newton has demonstrated to the eye, by the bare assistance of the prism, that light is a composition of coloured rays, which, being united, form white colour. A single ray is by him divided into seven, which all fall upon a piece of linen, or a sheet of white paper, in their order one above the other, and at unequal distances. The first is red, the second orange, the third yellow, the fourth green, the fifth blue, the sixth indigo, the seventh a violet purple. Each of these rays, transmitted afterwards by an hundred other prisms, will never change the colour it bears ; in like manner as gold, when compleatly purged from its dross, will never change afterwards in the crucible. As a superabundant proof that each of these elementary rays has inherently in itself that which forms its colour to the eye, take a small piece of yellow wood for instance, and set it in the ray of a red colour, this wood will instantly be tinged red ; but set it in the ray of a green colour, it assumes a green colour, and so of all the rest.

From what cause therefore do colours arise in nature ? It is nothing but the disposition of

bodies to reflect the rays of a certain order, and to absorb all the rest.

What then is this secret disposition? Sir Isaac Newton demonstrates that it is nothing more than the density of the small constituent particles of which a body is composed. And how is this reflexion performed? It was supposed to arise from the rebounding of the rays, in the same manner as a ball on the surface of a solid body; but this is a mistake; for Sir Isaac taught the astonished philosophers, that bodies are opake for no other reason, but because their pores are large; and that light reflects on our eyes from the very bosom of those pores; that the smaller the pores of a body are, the more such a body is transparent. Thus paper, which reflects the light when dry, transmits it when oiled, because the oil, by filling its pores, makes them much smaller.

It is there that examining the vast porosity of bodies, every particle having its pores, and every particle of those particles having its own, he shews we are not certain that there is a cubic inch of solid matter in the universe, so far are we from conceiving what matter is. Having thus divided, as it were, light into its elements, and carried the sagacity of his discoveries so far, as to prove the method of distinguishing compound colours from such as are primitive; he shews, that these elementary rays separated by the prism are ranged in their

order for no other
refracted in the
property (unlike
breaking or splin
this unequal ref
refracting the r
etc. which he ca
The most reflex
ple, and from i
power is the cau
refraction of lig

But all these v
prising of his di
secret to see th
which come and
they transmit lig
the density of th
has presumed to
particles of air
the one flat, the
are upon the oth
transmission or
and such a colour

From all these
proportion in wh
bodies act on lig
He saw light
ained to what d
increasing it, an
scopes can be ca

Des Cartes,

THE ENGLISH NATION. III

order for no other reason but because they are refracted in that very order; and it is this property (unknown till he discovered it) of breaking or splitting in this proportion; it is this unequal refraction of rays, this power of refracting the red less than the orange colour, *etc.* which he calls the different refrangibility. The most reflexible rays are the most refrangible, and from hence he evinces that the same power is the cause both of the reflection and refraction of light.

But all these wonders are merely but the opening of his discoveries. He found out the secret to see the vibrations or fits of light, which come and go incessantly, and which either transmit light, or reflect it according to the density of the parts they meet with. He has presumed to calculate the density of the particles of air necessary between two glasses, the one flat, the other convex on one side, set one upon the other; in order to operate such a transmission or reflection, or to form such and such a colour.

From all these combinations he discovers the proportion in which light acts on bodies, and bodies act on light.

He saw light so perfectly that he has determined to what degree of perfection the art of increasing it, and of assisting our eyes by telescopes can be carried.

Des Cartes, from a noble confidence, that

was very excusable, considering how strongly he was fired at the first discoveries he made in an art which he almost first found out; Des Cartes, I say, hoped to discover in the stars, by the assistance of telescopes, objects as small as those we discern upon the earth.

But Sir Isaac Newton has shewn, that dioptric telescopes cannot be brought to a greater perfection; because of that refraction, and of that very refrangibility, which at the same time that they bring objects nearer to us, scatter too much the elementary rays; he has calculated in these glasses the proportion of the scattering of the red and of the blue rays; and proceeding so far as to demonstrate things which were not supposed even to exist, he examines the inequalities which arise from the shape or figure of the glass, and that which arises from the refrangibility. He finds, that the object glass of the telescope being convex on one side, and flat on the other, in case that flat side be turned towards the object, the error which arises from the construction and position of the glass is above five thousand times less than the error which arises from the refrangibility; and therefore that the shape or figure of the glasses is not the cause why telescopes cannot be carried to a greater perfection, but arises wholly from the nature of light.

For this reason he invented a telescope,

THE ENC
which discovers
refraction. Tel
very hard to ma
But according to
scope of but five
other of an hund

THE ENGLISH NATION. 113

which discovers objects by reflexion and not by refraction. Telescopes of this new kind are very hard to make, and their use is not easy. But according to the English, a reflective telescope of but five feet has the same effect as another of an hundred feet in length.





LETTER XVII.

OF INFINITES IN GEOMETRY, AND SIR ISAAC NEWTON'S CHRONOLOGY.

THE labyrinth and abyfs of infinity is alfo a new courfe Sir Ifaac Newton has gone through, and we are obliged to him for the clue, by whose affiftance we are enabled to trace its various windings.

Des Cartes got the ftart of him alfo in this aftonifhing invention. He advanced with mighty fteps in his geometry, and was arrived at the very borders of infinity, but went no farther. Dr. Wallis, about the middle of the laft century, was the firft that reduced a fraction by a perpetual divifion to an infinite feries.

The lord Brounker employed this feries to fquare the hyperbola.

Mercator published a demonftration of this quadrature, much about which time, Sir Ifaac Newton being then twenty three years of age, had invented a general method to perform, on all geometrical curves, what had juft before been tried on the hyperbola.

It is to this method of fubjecting every

THE EN
where infinity
the name is gi
of divifions,
part of number
whole exiftence
And, indeed
was laughed at
there are lines
angle infinitely
That a right
long as it is finite
in direction, bec
a curve may be
the curve?
That there are
and infinities of in
another, and the
thing in compar
All thefe things
the utmost excefs
nature of the fubli
mind, and the ar
them had been un
This fo bold co
ple ideas. The b
neal of a fquare
to find the fquare
are none in comm
magination ough
to many order
well known prop

THE ENGLISH NATION. 115

where infinity to algebraical calculations, that the name is given of differential calculations or of fluxions, and integral calculation. It is the art of numbering and measuring exactly a thing whose existence cannot be conceived.

And, indeed, would you not imagine that a man laughed at you, who should declare that there are lines infinitely great which form an angle infinitely little?

That a right line, which is a right line so long as it is finite, by changing infinitely little its direction, becomes an infinite curve, and that a curve may become infinitely less than another curve?

That there are infinite squares, infinite cubes, and infinites of infinites all greater than one another, and the last but one of which, is nothing in comparison of the last?

All these things, which at first appear to be the utmost excess of frenzy, are in reality an effort of the subtilty and extent of the human mind, and the art of finding truths which till then had been unknown.

This so bold edifice is even founded on simple ideas. The business is to measure the diagonal of a square, to give the area of a curve, to find the square root of a number, which has none in common arithmetic. After all, the imagination ought not to be startled any more at so many orders of infinites, than at the so well known proposition, viz. That curve lines

116 LETTERS CONCERNING

may always be made to pass between a circle and a tangent; or at that other, namely, that matter is divisible in infinitum. These two truths have been demonstrated many years, and are no less incomprehensible than the things we have been speaking of.

For many years the invention of this famous calculation was denied Sir Isaac Newton. In Germany Mr. Leibnitz was considered as the inventor of the differences or moments, called † Fluxions, and Mr. Bernouilli claimed the integral calculation. However, Sir Isaac is now thought to have first made the discovery, and the other two have the glory of having once made the world doubt whether it was to be ascribed to him or them. Thus some contested with Dr. Harvey the invention of the circulation of the blood, as others disputed with Mr. Perrault that of the circulation of the sap.

Hartsocher and Lewenhoeck disputed with each other the honour of having first seen the vermiculi of which mankind are formed. This Hartsocher also contested with Huygens the invention of a new method of calculating the distance of a fixed star. It is not yet known to what philosopher we owe the invention of the cycloid. Be this as it will, it is by the help of this geometry of infinites that Sir Isaac Newton attained to the most sublime discoveries.

† By Sir Isaac Newton.

I am now to speak of another work, which, though more adapted to the capacity of the human mind, does nevertheless display some marks of that creative genius with which Sir Isaac Newton was informed in all his researches. The work I mean is a chronology of a new kind; for what province soever he undertook, he was sure to change the ideas and opinions received by the rest of men.

Accustomed to unravel and disentangle chaos's, he was resolved to convey at least some light into that of the fables of antiquity, which are blended and confounded with history, and fix an uncertain chronology. It is true, that there is no family, city or nation, but endeavours to remove its original as far backward as possible. Besides, the first historians were the most negligent in setting down the aeras; books were infinitely less common than they are at this time, and consequently authors being not so obnoxious to censure, they therefore imposed upon the world with greater impunity; and as it is evident that these have related a great number of fictitious particulars, it is probable enough that they also gave us several false aeras.

It appeared in general to Sir Isaac, that the world was five hundred years younger than chronologers declare it to be. He grounds his opinion on the ordinary course of nature, and on the observations which astronomers have made.

By the course of nature we here understand the time that every generation of men lives upon the earth. The Egyptians first employed this vague and uncertain method of calculating, when they began to write the beginning of their history. These computed three hundred and forty one generations from Menes to Sethon; and having no fixed aera, they supposed three generations to consist of an hundred years. In this manner they computed eleven thousand three hundred and forty years from Menes's reign to that of Sethon.

The Greeks, before they counted by olympiads, followed the method of the Egyptians, and even gave a little more extent to generations, making each to consist of forty years.

Now here both the Egyptians and the Greeks made an erroneous computation. It is true indeed, that according to the usual course of nature three generations last about an hundred and twenty years; but three reigns are far from taking up so many. It is very evident, that mankind in general live longer than kings are found to reign; so that an author who should write a history, in which there were no dates fixed, and should know that nine kings had reigned over a nation; such an historian would commit a great error should he allow three hundred years to these nine monarchs. Every generation takes about thirty six years; every reign is, one with the other, about twenty.

THE EN
Thirty kings of
er from William
first, the years c
amount to six h
which being divi
ings give to eve
years and a half
France have sa
ce with another
oth. This is
e antients ther
ey supposed th
egies, to equal
therefore allowed
and consequently
ed from their com
Astrooomical ob
fill greater affi
He appears to us
in his own ground
You know that
mon which carn
eth to east, in th
regular revolution
all within these la
very low retrogr
evidence it happen
ay does not corr
ment of the heav
is so insensible in
derable in time;

Thirty kings of England have swayed the scepter from William the conqueror to George the first, the years of whose reigns added together, amount to six hundred and forty eight years; which being divided equally among the thirty kings, give to every one a reign of twenty one years and a half very near. Sixty three kings of France have sat upon the throne; these have, one with another, reigned about twenty years each. This is the usual course of nature: the antients therefore were mistaken, when they supposed the durations, in general, of reigns, to equal that of generations. They therefore allowed too great a number of years, and consequently some years must be subtracted from their computation.

Astronomical observations seem to have lent a still greater assistance to our philosopher. He appears to us stronger when he fights upon his own ground.

You know that the earth, besides its annual motion which carries it round the sun, from west to east, in the space of a year, has also a singular revolution, which was quite unknown till within these late years. Its poles have a very slow retrograde motion from east to west, whence it happens that their position every day does not correspond exactly with the same point of the heavens. This difference, which is so insensible in a year, becomes pretty considerable in time; and in threescore and twelve

years the difference is found to be of one degree; that is to say, the three hundred and sixtieth part of the circumference of the whole heaven. Thus after seventy two years, the colure of the vernal equinox, which passed through a fixed star, corresponds with another fixed star. Hence it is, that the sun, instead of being in that part of the heavens in which the Ram was situated in the time of Hipparchus, is found to correspond with that part of the heavens in which the Bull was situated; and the Twins are placed where the Bull then stood. All the signs have changed their situation, and yet we still retain the same manner of speaking as the antients did. In this age we say that the sun is in the Ram in the spring, from the same principle of condescension that we say that the sun turns round.

Hipparchus was the first among the Greeks who observed some change in the constellations, with regard to the equinoxes, or rather who learnt it from the Egyptians. Philosophers ascribed this motion to the stars; for in those ages people were far from imagining such a revolution in the earth, which was supposed to be immoveable in every respect. They therefore created a heaven in which they fixed the several stars, and gave this heaven a particular motion by which it was carried towards the east, whilst that all the stars seemed to perform their diurnal revolution from east to west. To

this error they added a second of much greater consequence, by imagining that the pretended heaven of the fixed stars advanced one degree eastward every hundred years. In this manner they were no less mistaken in their astronomical calculation than in their system of natural philosophy. As for instance, an astronomer in that age would have said, that the vernal equinox was in the time of such and such an observation, in such a sign, and in such a star. It has advanced two degrees of each since the time that observation was made to the present. Now two degrees are equivalent to two hundred years; consequently the astronomer who made that observation lived just so many years before me. It is certain that an astronomer who had argued in this manner would have mistook just fifty four years; hence it is that the ancients, who were doubly deceived, made their great year of the world, that is, the revolution of the whole heavens, to consist of thirty six thousand years. But the moderns are sensible, that this imaginary revolution of the heaven of the stars is nothing else than the revolution of the poles of the earth, which is performed in twenty five thousand nine hundred years. It may be proper to observe transiently in this place, that Sir Isaac, by determining the figure of the earth, has very happily explained the cause of this revolution.

All this being laid down, the only thing re-

maining to settle chronology, is, to see through what star the colure of the equinoxes passes, and where it intersects at this time the ecliptic in the spring; and to discover whether some ancient writer does not tell us in what point the ecliptic was intersected in his time by the same colure of the equinoxes.

Clemens Alexandrinus informs us, that Chiron, who went with the Argonauts, observed the constellations at the time of that famous expedition, and fixed the vernal equinox to the middle of the Ram; the autumnal equinox to the middle of Libra; our summer solstice to the middle of Cancer, and our winter solstice, to the middle of Capricorn.

A long time after the expedition of the Argonauts, and a year before the Peloponnesian war, Methon observed that the point of the summer solstice passed through the eighth degree of Cancer.

Now every sign of the zodiac contains thirty degrees. In Chiron's time, the solstice was arrived at the middle of the sign, that is to say, to the fifteenth degree. A year before the Peloponnesian war, it was at the eighth, and therefore it had retarded seven degrees. A degree is equivalent to seventy two years; consequently, from the beginning of the Peloponnesian war to the expedition of the Argonauts, there is no more than an interval of seven times seventy two years, which make five

THE ENG
hundred and four
years, as the Gree
paring the positi
time with their p
that the expedition
be placed about
Christ, and not ab
consequently that
five hundred years
to be. By this ca
drawn nearer, and
to have happened la
not know whether
be favourably rece
visions will prevail
to prompt them to
the world. Perhap
think it too great a
and the same man th
ed natural philosophy
This would be a ki
which the principle
will scarce suffere
creature; and, ind
some very great ph
re Newton's attra
upon his chronol
should discover to
a due, may perha
still more undeterm

hundred and four years, and not seven hundred years, as the Greeks computed. Thus in comparing the position of the heavens at that time with their position in that age, we find that the expedition of the Argonauts ought to be placed about nine hundred years before Christ, and not about fourteen hundred; and consequently that the world is not so old by five hundred years as it was generally supposed to be. By this calculation all the aeras are drawn nearer, and the several events are found to have happened later than is computed. I do not know whether this ingenious system will be favourably received; and whether these notions will prevail so far with the learned, as to prompt them to reform the chronology of the world. Perhaps these gentlemen would think it too great a condescension, to allow one and the same man the glory of having improved natural philosophy, geometry and history. This would be a kind of universal monarchy, which the principle of self-love that is in man will scarce suffer him to indulge his fellow creature; and, indeed, at the same time that some very great philosophers attacked Sir Isaac Newton's attractive principle, others fell upon his chronological system. Time, that should discover to which of these the victory is due, may perhaps only leave the dispute still more undetermined.



LETTER XVIII.
OF TRAGEDY.

THE English, as well as the Spaniards were possessed of theatres at a time when the French had no more than moving, itinerant stages. Shakespeare, who was considered as the Cornielle of the first mentioned nation, was pretty near contemporary with Lopez de Vega, and he created, as it were, the English theatre. Shakespeare boasted a strong, fruitful genius: he was natural and sublime, but had not so much as a single spark of good taste, or knew one rule of the drama. I will now hazard a random, but, at the same time, true reflection, which is, that the great merit of this dramatic poet has been the ruin of the English stage. There are such beautiful, such noble, such dreadful scenes in this writer's monstrous farces, to which the name of tragedy is given, that they have always been exhibited with great success. Time, which only gives reputation to writers, at last makes their very faults venerable. Most of the whimsical, gigantic images of this poet, have through

length of time (i
years since they w
right of passing fo
dern dramatic wr
the touches and de
that in Shakespear
ers; and you will
nation in which t
in proportion to th
to the moderns. D
after that they sho
the ill success of S
forces no other effe
fared as inimitable
the tragedy of Oth
most tender piece, a
the stage; and that
his strangling, cri
impitily. You kno
Denmark, two gra
are all the time
and making humor
dead enough to per
the several skulls
spates; but a circu
you is, that this ric
imagined. In the rei
was that of politen
the liberal arts, O
introduces Antoni
courtezan, in the

length of time (it being an hundred and fifty years since they were first drawn) acquired a right of passing for sublime. Most of the modern dramatic writers have copied him; but the touches and descriptions which are applauded in Shakespeare, are hissed at in these writers; and you will easily believe, that the veneration in which this author is held increases in proportion to the contempt which is shewn to the moderns. Dramatic writers do not consider that they should not imitate him; and the ill success of Shakespeare's imitators produces no other effect than to make him be considered as inimitable. You remember, that in the tragedy of Othello Moor of Venice, (a most tender piece) a man strangles his wife on the stage; and that the poor woman, whilst she is strangling, cries aloud, that she dies very unjustly. You know that in Hamlet Prince of Denmark, two grave-diggers make a grave, and are all the time drinking, singing ballads, and making humorous reflections, (natural indeed enough to persons of their profession) on the several skulls they throw up with their spades; but a circumstance which will surprize you is, that this ridiculous incident has been imitated. In the reign of king Charles II. which was that of politeness, and the golden age of the liberal arts, Otway, in his Venice Preserv'd, introduces Antonio the senator, and Naki his courtesan, in the midst of the horrors of the

marquis of Bedmar's conspiracy. Antonio, the superannuated senator plays, in his mistress's presence, all the apish tricks of a lewd, impotent debauchee, who is quite frantic and out of his senses. He mimics a bull and a dog; and bites his mistress's legs, who kicks and whips him. However, the players have struck these buffooneries (which indeed was calculated for the dregs of the people) out of Otway's tragedy; but they have still left in Shakespeare's Julius Cæsar, the jokes of the Roman shoemakers and cobblers, who are introduced in the same scene with Brutus and Cassius. You will undoubtedly complain, that those who have hitherto discoursed with you on the English stage, and especially on the celebrated Shakespeare, have taken notice only of his errors; and that no one has translated any of those strong, those forcible passages which atone for all his faults. But to this I will answer, that nothing is easier than to exhibit in prose all the silly imperinencies which a poet may have thrown out; but that it is a very difficult task to translate his fine verses. All your junior academical Sophs, who set up for censors of the eminent writers, compile whole volumes; but methinks two pages which display some of the beauties of great geniuses are of infinitely more value than all the idle rhapsodies of those commentators; and I will join in opinion with all persons of good taste, in declaring, that greater advantage

THE ENG
may be reaped fr
or Virgil, than
gether which h
great poets.

I have venture
the most celebra
now give you o
don the blemishes
of the original;
when you see a v
print of a beau
choice of part of
Hamlet, which y
lows;

To be, or not to be
Whether 'tis nobler
The things and arro
or to take arms aga
And by opposing, en
No more! and by a
The heart-ach, and
That flesh is heir to
Devoutly to be with
To sleep? perchanc
For in that sleep of
When we have shu
Milk give us pause.
That makes calam
For who wou'd bea
Th' oppressor's wr
The pangs of desp
The insolence of o
That patient meri

may be reaped from a dozen verses of Homer or Virgil, than from all the critiques put together which have been made on those two great poets.

I have ventured to translate some passages of the most celebrated English poets, and shall now give you one from Shakespear. Pardon the blemishes of the translation for the sake of the original; and remember always that when you see a version, you see merely a faint print of a beautiful picture. I have made choice of part of the celebrated soliloquy in Hamlet, which you may remember is as follows;

To be, or not to be? that is the question.
Whether 'tis nobler in the mind, to suffer
The stings and arrows of outrageous fortune,
Or to take arms against a sea of troubles,
And by opposing, end them?—to die!—to sleep!—
No more! and by a sleep to say we end
The heart-ach, and the thousand natural shocks
That flesh is heir to! 'tis a consummation
Devoutly to be wished. To die!—to sleep!—
To sleep? perchance to dream! ay, there's the rub;
For in that sleep of death, what dreams may come
When we have shuffled off this mortal coil,
Must give us pause. There's the respect
That makes calamity of so long life:
For who wou'd bear the whips and scorns of time,
Th' oppressor's wrong, the proud man's contumely,
The pangs of despis'd love, the law's delay,
The insolence of office, and the spurns
That patient merit of th' unworthy takes,

128 LETTERS CONCERNING

When he himself might his quietus make
 With a bare bodkin? who would fardles bear
 To groan and sweat under a weary life,
 But that the dread of something after death,
 That undiscovered country, from whose bourne
 No traveller returns, puzzles the will,
 And makes us rather bear those ills we have,
 Than fly to others that we know not of.
 Thus conscience does make cowards of us all;
 And thus the native hue of resolution
 Is sicklied o'er with the pale cast of thought:
 And enterprizes of great weight and moment
 With this regard their currents turn away,
 And lose the name of action——

My version of it runs thus:

Demeure, il faut choisir et passer a l'instant
 De la vie, a la mort, ou de l'etre au néant.
 Dieux cruels, s'il en est, eclairez mon courage.
 Faut il vieillir courbe sous le main qui m'outrage,
 Supporter, ou finir mon malheur et mon fort?
 Qui suis je? qui m'arrote! et qu'estce que la mort?
 C'est la fin de nos maux, c'est mon unique azile
 Apres de long transports, c'est un sommeil tranquile.
 On s'endort, et tout meurt, mais un affreux reveil
 Doit succeder peut etre aux douceurs du sommeil!
 On nous menace, on dit que cette courte vie
 De tourmens eternels est aussi tot suivie.
 O mort! moment fatal? affreuse eternité!
 Tout coeur a ton seul nom se glace epouvante,
 Eh! qui pourroit sans Toi supporter cette vie,
 Ramper sous un ministre, adorer ses hauteurs;
 Et montrer les langueurs de son ame abattue,
 Ades amis ingrats qui detournent la vue?
 La mort seroit trop douce en ces extremités,
 Mais le scrupule parle, et nous crie arretez;

Il defend a nos mains cet heureux homicide
Et d'un heros guerrier, fait un chretien timide, etc.

Do not imagine that I have translated Shakes-
peare in a servile manner. Woe to the writ-
ter who gives a literal version; who by ren-
dering every word of his original, by that ve-
ry means enervates the sense, and extinguishes
all the fire of it. It is on such an occasion one
may justly affirm, that the letter kills, but the
spirit quickens.

Here follows another passage copied from a
celebrated tragic writer among the English. It
is Dryden, a poet in the reign of Charles the
second; a writer whose genius was too exuber-
rant, and not accompanied with judgment e-
nough. Had he writ only a tenth part of the
works he left behind him, his character would
have been conspicuous in every part; but his
great fault is his having endeavoured to be u-
niversal.

The passage in question is as follows :

When I consider life, 'tis all a cheat;
Yet fool'd by hope, men favour the deceit;
Trust on and think, to-morrow will repay;
To-morrow's false than the former day;
Lies more; and whilst it says we shall be blest
With some new joy, cuts off what we possess;
Strange cozenage! none would live past years again,
Yet all hope pleasure in what yet remain,
And from the dregs of life think to receive
What the first sprightly running could not give.

130 LETTERS CONCERNING

I'm tir'd with waiting for this chymic gold,
Which fools us young, and beggars us when old.

I shall now give my translation.

De desseins en regrets et d'erreurs en desirs.
Les Mortels insensés prominent leur folie.
Dans des malheurs présents, dans l'espoir des plaisirs
Nous ne vivons jamais, nous attendons la vie.
Demain, demain, dit on, va combler tous nos vœux.
Demain-vient, et nous laisse encore plus malheureux.
Qu'elle est l'erreur, hélas ! du soin qui nous devore,
Nul de nous ne voudroit recommencer son cours.
De nos premiers momens nous maudissons l'aurore,
Et de la nuit qui vient, nous attendons encore
Ce qu'ont en vain promis les plus beaux de nos jours,
etc.

It is in these detached passages that the English have hitherto excelled. Their dramatic pieces, most of which are barbarous and without decorum, order, or verisimilitude, dart such resplendent flashes thro' this gleam, as amaze and astonish us. The style is too much inflated, too unnatural, too closely copied from the Hebrew writers, who abound so much with the Asiatic fustian. But then it must be also confessed, that the *flits* of the figurative style on which the English tongue is lifted up, raises the genius at the same time very far aloft, though with an irregular pace. The first English writer who composed a regular Tragedy, and infused a spirit of elegance through every part of it, was the illustrious Mr. Addison.

THE EN
son. His Cato
gard to the dic
mony of the n
to is, in my op
Cornelia in the
to is great with
Cornelia, who
racter, tends for
dillon's Cato ap
character that
stage, but then
spend to the dig
piece so excellen
a dull love-plot,
gone over the w

The custom
and at any rate
ris to London
and our perukes
theatrical circle
city, will suffer
very conversatio
son had the etic
the severity of
adapts it to the
an endeavour
piece in its kin
become more
sult to be pl
and less bold
that were w

son. His Cato is a master-piece both with regard to the diction, and to the beauty and harmony of the numbers. The character of Cato is, in my opinion, vastly superior to that of Cornelia in the Pompey of Corneille: for Cato is great without any thing like fustian, and Cornelia, who besides is not a necessary character, tends sometimes to bombast. Mr. Addison's Cato appears to me to be the greatest character that ever was brought upon any stage, but then the rest of them do not correspond to the dignity of it: and this dramatic piece so excellently well writ is disfigured by a dull love-plot, which spreads a certain languor over the whole, that quite murders it.

The custom of introducing love at random and at any rate in the drama, passed from Paris to London about 1660, with our ribbons and our perukes. The ladies who adorn the theatrical circle there, in like manner as in the city, will suffer love only to be the theme of every conversation. The judicious Mr. Addison had the effeminate complaisance to soften the severity of his dramatic character so, as to adapt it to the manners of the age; and from an endeavour to please, quite ruined a master-piece in its kind. Since his time, the drama is become more regular, the audience more difficult to be pleased, and writers more correct, and less bold. I have seen some new pieces that were written with great regularity, but

which at the same time were very flat and insipid. One would think that the English had been hitherto formed to produce irregular beauties only. The shining monsters of Shakespeare give infinitely more delight than the judicious images of the moderns. Hitherto the poetical genius of the English resembles a tufted tree planted by the hand of nature, that throws out a thousand branches at random, and spreads unequally, but with great vigour. It dies if you attempt to force its nature, and to lop and dress it in the same manner as the trees of the garden of Marli.



I Am surprized that
 I was Mr. de Mur
 ters on the Eng
 should have confiae
 merely, merely to c
 winter. This auth
 concept in Mr. de
 the poet of the polit
 dramatic pieces, wh
 stings, were despis
 and might be comp
 have been in Franc
 day-house, at the
 considerable to read
 said, that the whole
 and yet all flocked
 the stage. Methi
 have mentioned ar
 ing when he was i
 sterley, who was
 to be happy in th
 elaborated mistres
 This gentleman,
 son of the high



L E T T E R X I X .

O F C O M E D Y .

I Am surprized that the judicious and ingenious Mr. de Muralt, who has published some letters on the English and French nations, should have confined himself, in treating of comedy, merely to censure Shadwell the comic writer. This author was had in pretty great contempt in Mr. de Muralt's time, and was not the poet of the polite part of the nation. His dramatic pieces, which pleased some time in acting, were despised by all persons of taste, and might be compared to many plays which I have seen in France, that drew crouds to the play-house, at the same time that they were intolerable to read; and of which it might be said, that the whole city of Paris exploded them, and yet all flocked to see them represented on the stage. Methinks Mr. de Muralt should have mentioned an excellent comic writer (living when he was in England) I mean Mr. Wycherley, who was a long time known publicly to be happy in the good graces of the most celebrated mistress of King Charles the second. This gentleman, who passed his life among persons of the highest distinction, was perfectly

well acquainted with their lives and their follies, and painted them with the strongest pencil, and in the truest colours. He has drawn a Misanthrope or man-hater, in imitation of that of Moliere. All Wycherley's strokes are stronger and bolder than those of our Misanthrope, but then they are less delicate, and the rules of decorum are not so well observed in this play. The English writer has corrected the only defect that is in Moliere's comedy, the thinness of the plot, which also is so disposed that the characters in it do not enough raise our concern. The English comedy affects us, and the contrivance of the plot is very ingenious, but at the same time too bold for the French manners. The plot is this.-----A captain of a man of war, who is very brave, open-hearted, and enflamed with a spirit of contempt for all mankind, has a prudent sincere friend whom he yet is suspicious of, and a mistress that loves him with the utmost excess of passion. The captain, so far from returning her love, will not even condescend to look upon her; but confides entirely in a false friend, who is the most worthless wretch living. At the same time he has given his heart to a creature who is the greatest coquet and the most perfidious of her sex, and is so credulous as to be confident she is a Penelope, and his false friend a Cato. He embarks on board his ship in order to go and fight the Dutch, having left

all his money, he had in the world whom at the same care of his supper left the rest man so unaccountably him; and the mistress below so much as in the habit of a whole voyage, which is of a sex difficult to pass for, which

The captain, he in an engagement done and undone and his friend, with of the one, or the other. Immediately he goes near, who he expects to see him, and to his hands. He meets tried to the honest posed so much composed as treacherous but he had entrusted can scarce think virtue and honest to convince him this very worth while page, and

all his money, his jewels and every thing he had in the world to this virtuous creature, whom at the same time he recommends to the care of his supposed faithful friend. Nevertheless the real man of honour, whom he suspects so unaccountably, goes on board the ship with him; and the mistress, on whom he would not bestow so much as one glance, disguises herself in the habit of a page, and is with him the whole voyage, without his once knowing that she is of a sex different from that she attempts to pass for, which, by the way, is not over natural.

The captain, having blown up his own ship in an engagement, returns to England abandoned and undone, accompanied by his page and his friend, without knowing the friendship of the one, or the tender passion of the other. Immediately he goes to the jewel among women, who he expected had preserved her fidelity to him, and the treasure he had left in her hands. He meets with her indeed, but married to the honest knave in whom he had reposed so much confidence; and finds she had acted as treacherously with regard to the casket he had entrusted her with. The captain can scarce think it possible that a woman of virtue and honour can act so vile a part; but to convince him still more of the reality of it, this very worthy lady falls in love with the little page, and will force him to her embraces.

But as it is requisite justice should be done, and that in a dramatic piece virtue ought to be rewarded and vice punished; it is at last found that the captain takes his page's place, and lies with his faithless mistress, cuckolds his treacherous friend, thrusts his sword through his body, recovers his casket and marries his page. You will observe that this play is also larded with a petulant, litigious old woman (a relation of the captain) who is the most comical character that was ever brought upon the stage.

Wycherley has also copied from Moliere another play, of as singular and bold a cast, which is a kind of *Ecole des Femmes*, or, *School for married Women*.

The principal character in this comedy is one Horner, a sly fortune-hunter, and the terror of all the city husbands. This fellow, in order to play a surer game, causes a report to be spread, that in his last illness, the surgeons had found it necessary to have him made an eunuch. Upon his appearing in this noble character, all the husbands in town flocked to him with their wives, and now poor Horner is only puzzled about his choice. However, he gives the preference to a little female peasant, a very harmless, innocent creature, who enjoys a fine flush of health, and cuckolds her husband with a simplicity that has infinitely more merit than the witty malice of the most experienced ladies. This play cannot indeed

he called the scho
certainly the scho
Sir John Vanb
ies which are me
Mr. Wycherley,
John was a man of
and an architect.
he is as sprightly in
his buildings.
some cattle of Ble
ing monument of
Blocklet. Were
as the walls are
commodious enough
made on Sir
ans;

Lie heavy on bir
Laid many a be

Sir John having
store the glorious
not, was thrown i
there for some
he to discover the
of our ministry to
their distinction.
a confinement; a
ers to me very e
on meet with a fir
the country in wh
only treated.

be called the school of good morals, but it is certainly the school of wit and true humour.

Sir John Vanbrugh has writ several comedies which are more humourous than those of Mr. Wycherley, but not so ingenious. Sir John was a man of pleasure, and likewise a poet and an architect. The general opinion is, that he is as sprightly in his writings as he is heavy in his buildings. It is he who raised the famous castle of Blenheim, a ponderous and lasting monument of our unfortunate battle of Hockstet. Were the apartments but as spacious as the walls are thick, this castle would be commodious enough. Some wag in an epitaph he made on Sir John Vanbrugh, has these lines :

*Lie heavy on him earth, for he
Laid many a heavy load on thee.*

Sir John having taken a tour into France before the glorious war that broke out in 1701, was thrown into the Bastile, and detained there for some time, without being ever able to discover the motive which had prompted our ministry to indulge him this mark of their distinction. He writ a comedy during his confinement; and a circumstance which appears to me very extraordinary, is, that we do not meet with a single satirical stroke against the country in which he had been so injuriously treated.

The late Mr. Congreve raised the glory of comedy to a greater height than any English writer before or since his time. He wrote only a few plays, but they are all excellent in their kind. The laws of the drama are strictly observed in them; they abound with characters, all which are shadowed with the utmost delicacy, and we do not meet with so much as one low or coarse jest. The language is every where that of men of honour, but their actions are those of knaves; a proof that he was perfectly well acquainted with human nature, and frequented what we call polite company. He was infirm, and come to the verge of life when I knew him. Mr. Congreve had one defect, which was, his entertaining too mean an idea of his first profession (that of a writer) though it was to this he owed his fame and fortune. He spoke of his works as of trifles that were beneath him; and hinted to me, in our first conversation, that I should visit him upon no other foot than that of a gentleman, who led a life of plainness and simplicity. I answered, that had he been so unfortunate as to be a mere gentleman I should never have come to see him; and I was very much disgusted at so unseasonable a piece of vanity.

Mr. Congreve's comedies are the most witty and regular, those of Sir John Vanbrugh most gay and humorous, and those of Mr. Wycher-

ley have the greatest force and spirit. It may be proper to observe, that these fine geniuses never spoke disadvantageously of Moliere; and that none but the contemptible writers among the English have endeavoured to lessen the character of that great comic poet. Such Italian musicians as despise Lully are themselves persons of no character or ability; but a Buononcini esteems that great artist, and does justice to his merit.

The English have some other good comic writers living, such as Sir Richard Steel, and Mr. Cibber, who is an excellent player, and also poet laureat; a title which, how ridiculous soever it may be thought, is yet worth a thousand crowns a year (besides some considerable privileges) to the person who enjoys it. Our illustrious Cornielle had not so much.

To conclude. Do not desire me to descend to particulars with regard to these English comedies which I am so fond of applauding; nor to give you a single smart saying, or humorous stroke from Wycherley or Congreve. We do not laugh in reading a translation. If you have a mind to understand the English comedy, the only way to do this will be for you to go to England, to spend three years in London, to make yourself master of the English tongue, and to frequent the play-house every night. I receive but little pleasure from the perusal of Aristophanes and Plautus, and for this reason,

because I am neither a Greek nor a Roman. The delicacy of the humour, the allusion, the *a propos*, all these are lost to a foreigner.

But it is different with respect to tragedy, this treating only of exalted passions and heroic follies, which the antiquated errors of fable or history have made sacred. *Oedipus*, *Electra*, and such like characters may, with as much propriety, be treated of by the Spaniards, the English, or us, as by the Greeks. But true comedy is the speaking picture of the follies and ridiculous foibles of a nation; so that he only is able to judge of the painting, who is perfectly acquainted with the people it represents.



THERE once
the polite at
of the high
quarters particu
though indolence
for intrigue
many. The cou
to have given
to that of polite
of thinking
the time. The
opinion, may be
of shapes, that
and, and he is
length generally
greater honour at
an advantage t
of their go
eight hundred pe
right to speak in
crest of the ki



LETTER XX.

OF SUCH OF THE NOBILITY
AS CULTIVATE THE BELLES
LETTRES.

THERE once was a time in France when the polite arts were cultivated by persons of the highest rank in the state. The courtiers particularly were conversant in them, although indolence, a taste for trifles, and a passion for intrigue, were the divinities of the country. The court, methinks, at this time, seems to have given into a taste quite opposite to that of polite literature, but perhaps the mode of thinking may be revived again in a little time. The French are of so flexible a disposition, may be moulded into such a variety of shapes, that the monarch needs but command, and he is immediately obeyed. The English generally think, and learning is had in greater honour among them than in our country, an advantage that results naturally from the form of their government. There are about eight hundred persons in England who have a right to speak in public, and to support the interest of the kingdom; and near five or six

thousand may, in their turns, aspire to the same honour. The whole nation set themselves up as judges over these, and every man has the liberty of publishing his thoughts with regard to public affairs; which shews that all the people in general are indispensibly obliged to cultivate their understandings. In England the governments of Greece and Rome are the subject of every conversation, so that every man is under a necessity of perusing such authors as treat of them, how disagreeable soever it may be to him; and this study leads naturally to that of polite literature. Mankind in general speak well in their respective professions. What is the reason why our magistrates, our lawyers, our physicians, and a great number of the clergy, are abler scholars, have a finer taste and more wit, than persons of all other professions? The reason is, because their condition of life requires a cultivated and enlightened mind, in the same manner as a merchant is obliged to be acquainted with his traffic. Not long since an English nobleman, who was very young, came to see me at Paris in his return from Italy. He had writ a poetical description of that country, which, for delicacy and politeness, may vie with any thing we meet with in the earl of Rochester, or in our Chaulieu, our Sarasin, or Chapelle. The translation I have given of it is so inexpressive of the strength and delicate humour of the original,

that I am obligéd
to honor, and of
However, as this
make his lordship
present you with

Que je donc vu
Orgueil, Astuce, e
Grands Complime
Et beaucoup de co

L'extravagante Co
Que souvent l'Inq
Vent qu'on nomm
Mais qu'ici nous n

La Nature en vain
Vent enrichir ses
Des Pretres la mai
Elouffe ses plus be

Les Monignors, se
Seuls dans leurs Pa
Y font d'illustres
Sans argent, et fai

Pour les Petits, sa
Martyrs du jong
Ns ont fait voeu
Priant Dieu par c
Et toujours jeuna

Ces beaux lieux d
Semblent habitez
Et les Habitants
Sont damnez d'au

† His lordship un
certain preachers ac

that I am obliged seriously to ask pardon of the author, and of all who understand English. However, as this is the only method I have to make his lordship's verses known, I shall here present you with them in our tongue.

Qu'ay je donc vu dans l'Italie?

Orgueil, Astuce, et Pauvrete,

Grands Complimens, peu de Bonte

Et beaucoup de ceremonie.

L'extravagante Comedie

Que souvent l'Inquisition †

Veut qu'on nomme Religion;

Mais qu'ici nous nommons Folie.

La Nature en vain bienfaisante

Veut enrichir ses Lieux charmans,

Des Pretres la main desolante

Etouffe ses plus beaux presens.

Les Monsignors, foy disant Grands,

Seuls dans leurs Palais magnifiques

Y sont d' illustres faineants,

Sans argent, et sans domestiques.

Pour les Petits, sans liberte,

Martyrs du joug qui les domine,

Ils ont fait voeu de pauvreté,

Priant Dieu par oisiveté

Et toujours jeunante par famine.

Ces beaux lieux du Pape benis

Semblent habitez par les Diabes;

Et les Habitants miserables

Sont damnez dans le Paradis.

† *His lordship undoubtedly hints at the farces which certain preachers act in the open squares.*



LETTER XXI.

OF THE EARL OF ROCHESTER
AND MR. WALLER.

THE earl of Rochester's name is universally known. Mr. de St. Evremont has made very frequent mention of him, but then he has represented this famous nobleman in no other light than as the man of pleasure, as one who was the idol of the fair; but with regard to myself, I would willingly describe in him the man of genius, the great poet. Among other pieces which display the shining imagination his lordship only could boast, he wrote some satyrs on the same subjects as those our celebrated Boileau made choice of. I do not know any better method of improving the taste, than to compare the productions of such great geniuses as have exercised their talent on the same subject. Boileau declaims as follows against human reason in his satire on man.

Cependant a la voir plein de vapeurs legeres,
Soi même se bercer de ces propres chimeres,
Lui seul de la nature est la baze et l'appui,
Et le dixieme ciel ne tourne que pour lui,

De tous les Animaux il est ici le Maître ;
 Qui pourroit le nier, poursuis tu ? Moi peutetre.
 Ce maitre pretendu qui leur donne des loix,
 Ce Roi d.s Animaux, combien a t'il de Rois ?

Yet, pleas'd with idle whimsies of his brain,
 And puff'd with pride, th's haughty thing would fain
 Be thought himself the only stay and prop
 That holds the mighty frame of nature up.
 The skies and stars his properties must seem,

— — — — —
 Of all the creatures he's the Lord, he cries.

— — — — —
 And who is there, say you, that dares deny
 So own'd a truth ? That may be, Sir, do I.

— — — — —
 This boasted monarch of the world who awes
 The creatures here, and with his nod gives laws ;
 This self nam'd king, who this pretends to be
 The lord of all, how many lords has he ?

OLDHAM a little altered.

The lord Rochester expresses himself, in his satire against man, in 'pretty near the following manner ; but I must first desire you always to remember, that the versions I give you from the English poets are written with freedom and latitude ; and that the restraint of our versification, and the delicacies of the French tongue, will not allow a translator to convey into it the licentious impetuosity and fire of the English numbers.

Cet Esprit que je hais, cet Esprit plein d'erreur.
 Ce n'est pas ma raison, c'est la trienne Docteur.

G

C'est la raison frivole, inquiete, orgueilleuse
 Des sages Animaux, rivale dedaigneuse,
 Qui croit entr'eux et l'Ange, occuper le milieu,
 Et pence etre ici bas l'image de son Dieu.
 Vil atome imparfait, qui croit, doute, dispute
 Rampe, s'eleve, tombe, et nie encore sa chute.
 Qui nous dit je suis libre, et nous montrant ses fers,
 Et dont l'oeil trouble et faux, croit, percer l'univers.
 Allez, reverends Fous, bienheureux Fanatiques,
 Compilez bien l'Amas de vos Riens scholastiques,
 Peres de Visions, et d'Enigmes sacrez,
 Auteurs du Labirinthe, ou vous vous egarez.
 Allez obscurément éclaircir vos mysteres,
 Et courez dans l'école adorer vos chimeres.
 Il est d'autres erreurs, il est de ces devots
 Condamne pour eux memes a l'ennui du repos.
 Ce mystique encloître fier de son indolence
 Tranquille, au sein de Dieu. Que peut il faire ? Il pense.
 Non, tu ne penses point, miserable tu dors :
 Inutile a la terre, et mis au rang des Morts.
 Ton esprit enerve croupit dans la Moleste.
 Réveille toi, fais homme, et fors de ton Yvresse.
 L'homme est ne pour agir, et tu pretens penser ? etc.

The original runs thus :

Hold, mighty man, I cry all this we know,
 And 'tis this very reason I despise,
 This supernatural gift, that makes a mite
 Think he's the image of the infinite ;
 Comparing his short life, void of all rest,
 To the eternal and the ever blest
 This busy, puzzling stirrer up of doubt,
 That frames deep mysteries, then finds 'em out.
 Filling, with frantic crouds of thinking fools,
 Those reverend bedlams, colleges and schools ;
 Born on whose wings, each heavy sot can pierce
 The limits of the boundless universe.

THE ENGLISH NATION. 147

So charming ointments make an old witch fly,
And bear a crippled carcase through the sky.
'Tis this exalted power, whose business lies
In nonsense and impossibilities.
This made a whimsical philosopher,
Before the spacious world his tub prefer;
And we have modern cloister'd coxcombs, who
Retire to think 'cause they have nought to do:
But thoughts are giv'n for action's government,
Where action ceases, thought's impertinent.

Whether these ideas are true or false, it is certain they are expressed with an energy and fire which form the poet. I shall be very far from attempting to examine philosophically into these verses; to lay down the pencil and take up the rule and compass on this occasion; my only design in this letter, being to display the genius of the English poets, and therefore I shall continue in the same view.

The celebrated Mr. Waller has been very much talked of in France, and Mr. de la Fontaine, St. Evremont and Bayle, have written his Elogium, but still his name only is known. He had much the same reputation in London as Voiture had in Paris, and in my opinion deserved it better. Voiture was born in an age that was just emerging from barbarity; an age that was still rude and ignorant, the people of which aimed at wit, though they had not the least pretensions to it, and sought for points and conceits instead of sentiments. Bristol stones are more easily found than diamonds.

Voiture, born with an easy and frivolous genius, was the first who shone in this Aurora of French literature. Had he come into the world after those great geniuses who spread such a glory over the age of Lewis the fourteenth, he would either have been unknown, would have been despised, or would have corrected his stile. Boileau applauded him, but it was in his first satires, at a time when the taste of that great poet was not yet formed. He was young, and in an age when persons form a judgment of men from their reputation, and not from their writings. Besides, Boileau was very partial both in his encomiums and his censures. He applauded Segrais, whose works nobody reads; he abused Quinault, whose poetical pieces every one has got by heart, and is wholly silent upon La Fontaine. Waller, tho' a better poet than Voiture, was not yet a finished poet. The graces breathe in such of Waller's works as are writ in a tender strain, but then they are languid through negligence, and often disfigured with false thoughts. The English had not, in his time, attained the art of correct writing. But his serious compositions exhibit a strength and vigour which could not have been expected from the softness and effeminacy of his other pieces. He wrote an elegy on Oliver Cromwell, which, with all its faults, is nevertheless looked upon as a masterpiece. To understand this copy of verses, you

are to know th
markable for a
in this manner

Il n'est plus, s'en
Le ciel a signale
Et la voix des ton
Vient d'annoncer sa

Pir les derniers sou

Cet ile que son bras

Quand dans le cou

Il orioit la tete des

Et soumettoit un p

Mer tu t'en es trou

Amblent dire en gr

Que l'effroi de la te

Tel au ciel autrefois

Tel il quita la Terr

Tel d'un peuple gu

Qu'il dans sa vie, a

Qu'il palais fut un ter

Ne mult resign ! F

Is horns as loud as

His dying groans, h

And trees uncut st

About his palace th

into the air; so R

New Rome in such

And from obeying

On Oeta's top thus

With ruin'd oaks a

Nature herself took

And, sighing, swe

That to remotest

The approaching

THE ENGLISH NATION. 149

are to know that the day Oliver died was remarkable for a great storm. His poem begins in this manner :

Il n'est plus, s'en est fait soumettons nous au sort,
Le ciel a signale ce jour par des tempetes,
Et la voix des tonnerres eclatant sur nos tetes
Vient d'anoncer sa mort.

Par ses derniers soursis il ebranlé cet ile ;
Cet ile que son bras fit trembler tant de fois,
Quand dans le cours de ses Exploits,
Il brisoit la tete des Rois,
Et soumettoit un peuple a son joug seul docile.
Mer tu t'en es trouble ; O Mer tes flots emus
Semblent dire en grondant aux plus lointains rivages
Que l'effroi de la terre et ton Maitre n'est plus.

Tel au ciel autrefois s'envola Romulus,
Tel il quita la Terre, au milieu des orages,
Tel d'un peuple guerrier il recut les hommages ;
Obedi dans sa vie, a sa mort adore,
Son palais fut un temple, etc.

We must resign ! Heav'n his great soul does claim
In storms as loud as his immortal fame ;
His dying groans, his last breath shakes our isle,
And trees uncut fall for his fun'ral pile :
About his palace their broad roots are tost
Into the air ; so Romulus was lost ;
New Rome in such a tempest mis'd her king,
And from obeying fell to worshipping :
On Oeta's top thus Hercules lay dead,
With ruin'd oaks and pines about him spread.
Nature herself took notice of his death,
And, sighing, swell'd the sea with such a breath,
That to remotest shores the billows roll'd,
Th' approaching fate of his great ruler told.

It was this elogium that gave occasion to the reply (taken notice of in Bayle's dictionary,) which Waller made to king Charles the second. This king, to whom Waller had a little before (as is usual with bards and monarchs) presented a copy of verses embroidered with praises, reproached the poet for not writing with so much energy and fire as when he had applauded the usurper (meaning Oliver;) *Sir*, replied Waller to the king, *we poets succeed better in fiction than in truth.* This answer was not so sincere as that which a Dutch ambassador made, when the same monarch complained that his masters paid less regard to him than they had done to Cromwell; *Ah, Sir!* says the ambassador, *Oliver was quite another man-----* It is not my intent to give a commentary on Waller's character, nor on that of any other person; for I consider men after their death in no other light than as they were writers, and wholly disregard every thing-else. I shall only observe, that Waller, though born in a court, and to an estate of five or six thousand pounds sterling a year, was never so proud or so indolent as to lay aside the happy talent which nature had indulged him. The earls of Dorset and Roscommon, the two dukes of Buckingham, the lord Halifax, and so many other noblemen, did not think the reputation they obtained of very great poets and illustrious writers, any way derogatory to their quality.

They are more
for their titles.
are with as muc
been their whol
made learning
of the vulgar, v
things by the g
from their man
bility (in Englan
country in the w

They are more glorious for their works than for their titles. These cultivated the polite arts with as much assiduity, as though they had been their whole dependence. They also have made learning appear venerable in the eyes of the vulgar, who have need to be led in all things by the great, and who nevertheless fashion their manners less after those of the nobility (in England I mean) than in any other country in the world.



LETTER XXII.

OF MR. POPE, AND SOME OTHER
FAMOUS POETS.

I Intended to treat of Mr. Prior, one of the most amiable English poets, whom you saw plenipotentiary and envoy extraordinary at Paris in 1712. I also designed to have given you some idea of the lord Roscommon's and the lord Dorset's muse; but I find that to do this I should be obliged to write a large volume, and that after much pains and trouble you would have but an imperfect idea of all those works. Poetry is a kind of music in which a man should have some knowledge, before he pretends to judge of it. When I give you a translation of some passages from those foreign poets, I only prick down, and that imperfectly, their music; but then I cannot express the taste of their harmony.

There is one English poem especially, which I should despair of ever making you understand, the title whereof is *Hudibras*. The subject of it is the civil war in the time of the grand rebellion; and the principles and practice of the Puritans are therein ridiculed. It

THE EN
is Don Quixott
blended together
in one single
time is the most
would believe th
lively and natur
and follies of n
with more sentin
the endeavours c
reason of this is,
to particular inci
made the princip
understood but I
explain this, a co
ry, and humour
humour. Whoe
of smart sayings
blockhead. This
of the ingenious
called the English
understood in F
the honour (in co

* Species of statin
France in 1594, ag
but time. This lat
Elspagne, was look
le Roy, Bithou, Pa
of that age, are the
Menippe, from Men
had written letters
me, in imitation
which he entitled S

THE ENGLISH NATION. 153

is Don Quixotte, it is our * Satyre Menippeæ, blended together. I never found so much wit in one single book as in that, which at the same time is the most difficult to be translated. Who would believe that a work which paints in such lively and natural colours the several foibles and follies of mankind, and where we meet with more sentiments than words, should baffle the endeavours of the best translator? but the reason of this is, almost every part of it alludes to particular incidents. The clergy are there made the principal object of ridicule, which is understood but by few among the laity. To explain this, a commentary would be necessary, and humour when explained is no longer humour. Whoever sets up for a commentator of smart sayings and repartees, is himself a blockhead. This is the reason why the works of the ingenious Dean Swift, who has been called the English Rabelais, will never be well understood in France. This gentleman has the honour (in common with Rabelais) of be-

* Species of satire in prose and verse, written in France in 1594, against the chiefs of the league at that time. This satire which is also called *Catholicon d'Espagne*, was looked upon as a master-piece. Rapin, Le Roy, Bithou, Passerat and Cretien, the greatest wits of that age, are the authors of it; and it was entitled *Menippe*, from *Menippus*, a cynical philosopher, who had written letters filled with sharp, satyrical expressions, in imitation of Varro, who composed satyrs which he entitled *Satyræ Menippeæ*.

ing a priest, and like him laughs at every thing. But in my humble opinion, the title of the English Rabelais, which is given the dean, is highly derogatory to his genius. The former has interspersed his unaccountably fantastic and unintelligible book with the most gay strokes of humour, but which at the same time has a greater proportion of impertinence. He has been vastly lavish of erudition, of smut, and insipid raillery. An agreeable tale of two pages is purchased at the expence of whole volumes of nonsense. There are but few persons, and those of a grotesque taste, who pretend to understand, and to esteem this work; for as to the rest of the nation, they laugh at the pleasant and diverting touches which are found in Rabelais, and despise his book. He is looked upon as the prince of buffoons. The readers are vexed to think that a man, who was master of so much wit, should have made so wretched an use of it. He is an intoxicated philosopher, who never writ but when he was in liquor.

Dean Swift is Rabelais in his senses, and frequenting the politest company. The former indeed is not so gay as the latter, but then he possesses all the delicacy, the justness, the choice, the good taste, in all which particulars our gigling rural vicar Rabelais is wanting. The poetical numbers of dean Swift are of a singular and almost inimitable taste; true hu-

mour, whether
his peculiar tal
understanding
land in which

It will be mu
dea of Mr. Pop
tion the most e
and at the sam
circumstance wh
honour of his
birth to. He
slands of the E
ents of the flu
edly translated,
and peripatetic
are general, and

His Essay on
in France, by t
Revel has made

Here is an e
the Rape of the
lured with the
occasions; for o
ridiculous than

Timbriel, a l'instar
Va d'une aile pe
Chercher en m
Qu'il n'en des dou
La Déesse aux va
Les tristes Aquilo

mour, whether in prose or verse, seems to be his peculiar talent; but whoever is desirous of understanding him perfectly, must visit the island in which he was born.

It will be much easier for you to form an idea of Mr. Pope's works. He is, in my opinion the most elegant, the most correct poet; and at the same time the most harmonious (a circumstance which redounds very much to the honour of his muse) that England ever gave birth to. He has mellowed the most harsh sounds of the English trumpet to the soft accents of the flute. His compositions may be easily translated, because they are vastly clear and perspicuous; besides, most of his subjects are general, and relative to all nations.

His Essay on Criticism will soon be known in France, by the translation which l'Abbe de Renel has made of it.

Here is an extract from his poem entitled the Rape of the Lock, which I just now translated with the latitude I usually take on such occasions; for once again, nothing can be more ridiculous than to translate a poet literally.

Umbriel, a l'instant, vieil Gnome rechigne,
Va d'une aile pesante et d'un air renfrogne
Chercher en murmurant la caverne profonde,
Oux loïn des doux raïons que repand l'œil du monde
La Deesse aux vapeurs a choisi son sejour,
Les tristes Aquilons y sistent a l'entour,

Et le souffle mal sain de leur aride haleine
 Y porte aux environs la fièvre et la migriane.
 Sur un riche sofa derrière un paravent
 Loin des flambeaux, de bruit, des parleurs et du vent,
 La quinteuse Decesse incessamment repose,
 Le cœur gros de chagrin, sans en savoir la cause.
 N'ayant pensée jamais, l'esprit toujours trouble,
 L'œil chargé, le teint pâle, et l'hypocondre enflé.
 Lamedisante Envie, est assise auprès d'elle,
 Vieil spectre féminin, decrepite pucelle,
 Avec un air devot déchirant son prochain,
 Et chansonnant les gens l'évangile à la main.
 Sur un lit plein de fleurs négligemment panchée
 Une jeune Beauté non loin d'elle est couchée,
 C'est l'Affectation qui grasseie en parlant,
 Écoute sans entendre, et lorgne en regardant.
 Qui rougit sans pudeur, et rit de tout sans joie,
 De cent maux différens prétend qu'elle est la proie
 Et pleine de fante sous le rouge et la fard,
 Se plaint avec mollesse, et se pame avec art.

Umbriel, a dusky, melancholy sprite
 As ever sullied the fair face of light,
 Down to the central earth, his proper scene,
 Repairs to search the gloomy cave of Spleen.
 Swift on his footy pinions flits the Gnome,
 And in a vapour reach'd the dismal dome.
 No chearful breeze this sullen region knows,
 The dreaded east is all the wind that blows.
 Here, in a grotto, shelter'd close from air,
 And screen'd in shades from day's detested glare,
 She sighs for ever on her pensive bed,
 Pain at her side, and Megrim at her head,
 Two handmaids wait the throne: alike in place,
 But diff'ring far in figure and in face,
 Here stood ill nature like an ancient maid,
 Her wrinkled form in black and white array'd;

With store of pray
 Her hand is fill'd;
 There Affectation,
 Shows in her ch
 Præsid'd to liip, an
 Taints into airs, an
 On the rich quilt f
 Waapt in a gown,

This extract
 translation I have
 pared to the delc
 or effeminacy) in
 Methinks I no
 enough from the
 some transient m
 but as for good n
 know of any; a
 forced to write

English genius,
 penous, has no
 eloquence, that
 history requires
 ty, which exhibi
 ed light, may ha
 storians. One
 variance with th
 people who assu
 borough was a
 a fool; just as
 Pascal to have
 minus; and som
 daloue to have

THE ENGLISH NATION. 157

With store of prayers for mornings, nights, and noons,
Her hand is fill'd; her bosom with lampoons.
There Affectation, with a sickly mein,
Shows in her cheek the roses of eighteen,
Practis'd to lisp, and hang the head aside,
Faints into airs, and languishes with pride;
On the rich quilt sinks with becoming woe,
Wrapt in a gown, for sickness and for show.

This extract in the original (not in the faint translation I have give you of it) may be compared to the description of La Moleſſe (softness or effeminacy) in Boileau's *Lutrin*.

Methinks I now have given you specimens enough from the English poets. I have made some transient mention of their philosophers, but as for good historians among them I do not know of any; and indeed a Frenchman was forced to write their history. Possibly the English genius, which is either languid or impetuous, has not yet acquired that unaffected eloquence, that plain but majestic air, which history requires. Possibly too the spirit of party, which exhibits objects in a dim and confus'd light, may have sunk the credit of their historians. One half of the nation is always at variance with the other half. I have met with people who assured me that the duke of Marlborough was a coward, and that Mr. Pope was a fool; just as some Jesuits in France declare Pascal to have been a man of little or no genius; and some Jansenists affirm father Bourdaloue to have been a mere babbler. The Ja-

cobites consider Mary queen of Scots as a pious heroine, but those of an opposite party look upon her as a prostitute, an adulteress, a murderer. Thus the English have memorials of the several reigns, but no such thing as a history. There is indeed now living, one Mr. Gordon, (the public are obliged to him for a translation of Tacitus) who is very capable of writing the history of his own country, but Rapin de Thoyras got the start of him. To conclude, in my opinion the English have not such good historians as the French, have no such thing as a real tragedy, have several delightful comedies, some wonderful passages in certain of their poems, and boast of philosophers that are worthy of instructing mankind. The English have reaped very great benefit from the writers of our nation, and therefore we ought, (since they have not scrupled to be in our debt) to borrow from them. Both the English and we came after the Italians, who have been our instructors in all the arts, and whom we have surpassed in some. I cannot determine which of the three nations ought to be honoured with the palm; but happy the writer who could display their various merits.



LETTER XXIII.

OF THE REGARD THAT OUGHT TO
BE SHEWN TO MEN OF LETTERS.

NEITHER the English, nor any other people, have foundations established in favour of the polite arts like those in France. There are universities in most countries, but it is in France only that we meet with so beneficial an encouragement for astronomy, and all parts of the mathematics, for physic, for researches into antiquity, for painting, sculpture and architecture. Lewis the fourteenth has immortalized his name by these several foundations, and this immortality did not cost him two hundred thousand livres a year.

I must confess, that one of the things I very much wonder at is, that as the parliament of Great Britain have promised a reward of twenty thousand pounds Sterling to any person who may discover the longitude, they should never have once thought to imitate Lewis the fourteenth in his munificence with regard to the arts and sciences.

Merit indeed meets in England with rewards of another kind, which redound more to the

honour of the nation. The English have so great a veneration for exalted talents, that a man of merit in their country is always sure of making his fortune. Mr. Addison in France would have been elected a member of one of the academies, and, by the credit of some women, might have obtained a yearly pension of twelve hundred livres; or else might have been imprisoned in the Bastile, upon pretence that certain strokes in his tragedy of Cato had been discovered, which glanced at the porter of some man in power. Mr. Addison was raised to the post of secretary of state in England. Sir Isaac Newton was made warden of the royal mint. Mr. Congreve had a considerable * employment. Mr. Prior was plenipotentiary. Dr. Swift is Dean of St. Patrick in Dublin, and is more revered in Ireland than the primate himself. The religion which Mr. Pope professes excludes him indeed from preferments of every kind, but then it did not prevent his gaining two hundred thousand livres by his excellent translation of Homer. I myself saw a long time in France the author of † Rhadamistus ready to perish for hunger: and the son of one of the greatest men § our country ever gave birth to, and who was beginning to run the noble career which his father had set him, would have been reduced to the extremes of misery, had he not been patronized by Mr. Fagon.

* Secretary for Jamaica, † Mr. de Crebillon, § Racine.

But the circu-
ges the arts in E
which is paid th
minster hangs
closet, but I ha
twenty noblemen
was revered in h
pest paid to him
men in the nation
the honour of ho
Wellminster-Abb
what raises the a
not the mausoleu
the monuments, w
tion has erected t
those illustrious
glory. We view
the same manner
to and other imm
in Athens; and I
light of those gl
more than one br
their becoming gl
The English ha
paying too extrav
and censured for
press Mrs. Old
with almost the sa
Some pretend t
these great funer
can more strongly

But the circumstance which mostly encourages the arts in England, is the great veneration which is paid them. The picture of the prime minister hangs over the chimney of his own closet, but I have seen that of Mr. Pope in twenty noblemens houses. Sir Isaac Newton was revered in his life time, and had a due respect paid to him after his death; the greatest men in the nation disputing who should have the honour of holding up his pall. Go into Westminster-Abbey, and you will find, that what raises the admiration of the spectator is not the mausoleums of the English kings, but the monuments, which the gratitude of the nation has erected to perpetuate the memory of those illustrious men who contributed to its glory. We view their statues in that abbey in the same manner, as those of Sophocles, Plato and other immortal personages were viewed in Athens; and I am perswaded, that the bare sight of those glorious monuments, has fired more than one breast, and been the occasion of their becoming great men.

The English have even been reproached with paying too extravagant honours to mere merit, and censured for interring the celebrated actresses Mrs. Oldfield in Westminster-Abbey, with almost the same pomp as Sir Isaac Newton. Some pretend that the English had paid her these great funeral honours, purposely to make us more strongly sensible of the barbarity and

injustice which they object to us, for having buried Mademoiselle le Couvreur ignominiously in the fields.

But be assured from me, that the English were prompted by no other principle, in burying Mrs. Oldfield in Westminster-Abbey, than their good sense. They are far from being so ridiculous as to brand with infamy an art which has immortalized an Euripides and a Sophocles; or to exclude from the body of their citizens a set of people whose business is to set off, with the utmost grace of speech and action, those pieces which the nation is proud of.

Under the reign of Charles the first, and in the beginning of the civil wars raised by a number of rigid fanatics, who at last were the victims to it, a great many pieces were published against theatrical and other shews, which were attacked with the greater virulence, because that monarch and his queen, daughter to Henry the fourth of France, were passionately fond of them.

One Mr. Prynne, a man of most furiously scrupulous principles, who would have thought himself damned had he wore a cassock instead of a short cloak, and have been glad to see one half of mankind cut the other to pieces for the glory of God, and the propaganda fide; took it into his head to write a most wretched satire against some pretty good comedies, which were exhibited very innocently every night before

their Majesties. He quoted the authority of the Rabbi's, and some passages from St. Bonaventure, to prove that the OEdipus of Sophocles was the work of the evil spirit; that Terence was excommunicated ipso facto; and added, that doubtless Brutus, who was a very severe Jansenist, assassinated Julius Caesar, for no other reason, but because he, who was pontifex maximus, presumed to write a tragedy, the subject of which was OEdipus. Lastly, he declared that all who frequented the theatre were excommunicated, as they thereby renounced their baptism. This was casting the highest insult on the King and all the royal family; and as the English loved their prince at that time, they could not bear to hear a writer talk of excommunicating him, though they themselves afterwards cut his head off. Prynne was summoned to appear before the star-chamber; his wonderful book, from which father Le Brun stole his, was sentenced to be burnt by the common hangman, and himself to lose his ears. His trial is now extant.

The Italians are far from attempting to cast a blemish on the opera, or to excommunicate Signior Senesino or Signora Cuzzoni. With regard to myself, I could presume to wish that the magistrates would suppress I know not what contemptible pieces written against the stage. For when the English and Italians hear, that we brand with the greatest mark of infam-

my an art in which we excel; that we excommunicate persons who receive salaries from the king; that we condemn as impious a spectacle exhibited in convents and monasteries; that we dishonour sports in which Lewis the fourteenth, and Lewis the fifteenth performed as actors: that we give the title of the devil's works, to pieces which are received by magistrates of the most severe character, and represented before a virtuous queen; when, I say, foreigners are told of this insolent conduct, this contempt for the royal authority, and this Gothic rusticity which some presume to call Christian severity, what an idea must they entertain of our nation! And how will it be possible for them to conceive, either that our laws give a sanction to an art which is declared infamous, or that some persons dare to stamp with infamy an art which receives a sanction from the laws, is rewarded by kings, cultivated and encouraged by the greatest men, and admired by whole nations! And that father Le Brune's impertinent libel against the stage, is seen in a bookseller's shop, standing the very next to the immortal labours of Racine, of Corneille, of Moliere, etc!



THE English
many years
under such prud
only reason of wh
it was founded
it had it been f
probably have ac
of the former, an
Two things, a
men, are wanting
do, I mean rew
Academy at Paris
and Geometrician
form being the c
tal members of
cardinal), thoug
man in England
of the mathemat
expresses an inc
Royal Society,

† The reader
were written about

LETTER XXIV.

OF THE ROYAL SOCIETY, AND OTHER ACADEMIES.

THE English had an academy of sciences many years before us; but then it is not under such prudent regulations as ours: the only reason of which very possibly is, because it was founded before the Academy of Paris; for had it been founded after, it would very probably have adapted some of the sage laws of the former, and improved upon others.

Two things, and those the most essential to man, are wanting in the Royal Society of London, I mean rewards and laws. A seat in the Academy at Paris is a small, but secure fortune to a Geometrician or a Chemist; but this is so far from being the case at London, that the several members of the Royal Society, are at a continual, though indeed small expence. Any man in England who declares himself a lover of the mathematics and natural philosophy, and expresses an inclination to be a member of the Royal Society, is immediately elected into it †.

† The reader will call to mind that these letters were written about 1728 or 30. since which time the

But in France it is not enough that a man who aspires to the honour of being a member of the academy, and of receiving the royal stipend, has a love for the sciences; he must at the same time be deeply skilled in them; and is obliged to dispute the feat with competitors who are so much the more formidable as they are fired by a principle of glory, by interest, by the difficulty itself, and by that inflexibility of mind, which is generally found in those who devote themselves to that pertinacious study, the mathematics.

The Academy of Sciences is prudently confined to the study of nature, and, indeed, this is a field spacious enough for fifty or three-score persons to range in. That of London mixes indiscriminately literature with physics; but methinks the founding an academy merely for the polite arts is more judicious, as it prevents confusion, and the joining, in some measure, of heterogeneous, such as a dissertation on the head-dresses of the Roman ladies, with an hundred or more new curves.

As there is very little order and regularity in the Royal Society, and not the least encouragement; and that the academy of Paris is

names of the several candidates are, by a law of the Royal Society, posted up in it, in order that a choice may be made of such persons only as are qualified to be members. The celebrated Mr. de Fontenelle had the honour to pass through this Ordeal.

on a quite different
our transactions a
and beautiful man
Soldiers who a
and besides well pa
perform more glori
others who are mere
be confessed that th
Newton, but then
edge and discover
from it, that the la
few of his fellow
that of Sir Isaac be
in the world, beca
to learn of him.

The celebrated
in the latter end o
found an academy
on the model of the
fest was promoted
lord high treasure
lord Bolingbroke,
the happy talent
more in the parli
purity as dean Sw
who would have b
letter of that ac
have been chose n
will last as long as
dean Swift, Mr J
vested with a pub

on a quite different foot, it is no wonder that our transactions are drawn up in a more just and beautiful manner than those of the English. Soldiers who are under a regular discipline, and besides well paid, must necessarily, at last, perform more glorious achievements than others who are mere volunteers. It must indeed be confessed that the Royal Society boast their Newton, but then he did not owe his knowledge and discoveries to that body; so far from it, that the latter were intelligible to very few of his fellow-members. A genius like that of Sir Isaac belonged to all the academies in the world, because all had a thousand things to learn of him.

The celebrated Dean Swift formed a design, in the latter end of the late Queen's reign, to found an academy for the English tongue upon the model of that of the French. This project was promoted by the late earl of Oxford, lord high treasurer, and much more by the lord Bolingbroke, secretary of state, who had the happy talent of speaking without premeditation in the parliament-house, with as much purity as dean Swift writ in his closet, and who would have been the ornament and protector of that academy. Those only would have been chose members of it, whose works will last as long as the English tongue, such as dean Swift, Mr Prior, whom we saw here invested with a public character, and whose fame

in England is equal to that of La Fontaine in France; Mr. Pope the English Boileau, Mr. Congreve who may be called their Moliere, and several other eminent persons whose names I have forgot; all these would have raised the glory of that body to a great height, even in its infancy. But queen Anne being snatched suddenly from the world, the Whigs were resolved to ruin the protectors of the intended academy, a circumstance that was of the most fatal consequence to polite literature. The members of this academy would have had a very great advantage over those who first formed that of the French; for Swift, Prior, Congreve, Dryden, Pope, Addison, etc. had fixed the English tongue by their writings: whereas Chapelain, Colletet, Cassaigne, Faret, Perrin, Cotin, our first academicians, were a disgrace to their country; and so much ridicule is now attached to their very names, that if an author of some genius in this age had the misfortune to be called Chapelain or Cotin, he would be under a necessity of changing his name.

One circumstance, to which the English academy should especially have attended, is, to have prescribed to themselves occupations of a quite different kind from those with which our academicians amuse themselves. A wit of this country asked me for the memoirs of the French academy. I answered, they have no memoirs, but have printed three score or four-

three volumes in
gentleman perul
without being
which they were
stood all our good
he, I see in these
member elect hav
his predecessor
final Richelieu w
chancellor Segui
that Lewis the fo
great man, the d
same strain, and
may also be a fort
let, in quality of
share in this great

The cause why
ses have unhappi
this body is eviden
pris potius quam
to the age rather
It grew up insen
academician to re
ception; it was
that the public s
in time the fuller
these productions
wards be fought
who have been in
sometimes made
that it is wholly

score volumes in quarto of compliments. The gentleman perused one or two of them, but without being able to understand the style in which they were written, though he understood all our good authors perfectly. All, says he, I see in these elegant discourses is, that the member elect having assured the audience that his predecessor was a great man, that cardinal Richelieu was a very great man, that the chancellor Seguier was a pretty great man; that Lewis the fourteenth was a more than great man, the director answers in the very same strain, and adds, that the member elect may also be a sort of great man, and that himself, in quality of director, must also have some share in this greatness.

The cause why all these academical discourses have unhappily done so little honour to this body is evident enough. *Vitium est temporis potius quam hominis.* The fault is owing to the age rather than to particular persons. It grew up insensibly into a custom, for every academician to repeat these elogiums at his reception; it was laid down as a kind of law, that the public should be indulged from time to time the sullen satisfaction of yawning over these productions. If the reason should afterwards be sought, why the greatest geniuses who have been incorporated into that body have sometimes made the worst speeches; I answer, that it is wholly owing to a strong propension,

the gentleman in question had to shine, and to display a thread-bare, worn-out subject in a new and uncommon light. The necessity of saying something, the perplexity of having nothing to say, and a desire of being witty, are three circumstances which alone are capable of making even the greatest writer ridiculous. These gentlemen, not being able to strike out any new thoughts, hunted after a new play of words, and delivered themselves without thinking at all; in like manner as people who should seem to chew with great eagerness, and make as though they were eating, at the same time that they were just starved.

It is a law in the French academy, to publish all those discourses by which only they are known, but they should rather make a law never to print any of them.

But the academy of the Belles Lettres have a more prudent and more useful object, which is, to present the public with a collection of transactions that abound with curious researches and critiques. These transactions are already esteemed by foreigners; and it were only to be wished, that some subjects in them had been more thoroughly examined, and that others had not been treated at all. As for instance, we should have been very well satisfied had they omitted I-know-not-what dissertation on the prerogative of the right hand over the left; and some others, which though not pub-

lished under so many
names on subjects th
bly.

The academy
researches as are
more sensible use,
true and the imp
may presume that
interrupted pursuits
ous, such refine
and exalted views
thing that may p
verse. Hitherto,
mer, the most un
made in the mod
conclude that th
lightened ages and
to argue and deba
vented by ignoran
the angle which
with the keel, in
and yet Columbus
bearing the least i
angle: however
hence, that we ar
is to a blind pra
naturalists and ge
possible, the pra
Strange, but si
reflect the greater
are frequently of

THE ENGLISH NATION. 177

lished under so ridiculous a title, are yet written on subjects that are almost as frivolous and silly.

The academy of sciences, in such of their researches as are of a more difficult kind and a more sensible use, embrace the knowledge of nature and the improvement of the arts. We may presume that such profound, such uninterrupted pursuits as these, such exact calculations, such refined discoveries, such extensive and exalted views, will, at last, produce something that may prove of advantage to the universe. Hitherto, as we have observed together, the most useful discoveries have been made in the most barbarous times. One would conclude that the business of the most enlightened ages and the most learned bodies, is, to argue and debate on things which were invented by ignorant people. We know exactly the angle which the sail of a ship is to make with the keel, in order to its sailing better; and yet Columbus discovered America, without having the least idea of the property of this angle: however I am far from inferring from hence, that we are to confine ourselves merely to a blind practice, but happy it were, would naturalists and geometricians unite, as much as possible, the practice with the theory.

Strange, but so it is, that those things which reflect the greatest honour on the human mind, are frequently of the least benefit to it! A man

who understands the four fundamental rules of arithmetic, aided by a little good sense shall amass prodigious wealth in trade, shall become a Sir Peter Delme, a Sir Richard Hopkins, a Sir Gilbert Heathcote, whilst a poor algebraist spends his whole life in searching for astonishing properties and relations in numbers, which at the same time are of no manner of use, and will not acquaint him with the nature of exchanges. This is very nearly the case with most of the arts; there is a certain point beyond which, all researches serve to no other purpose, than merely to delight an inquisitive mind. Those ingenious and useless truths may be compared to stars, which, by being placed at too great a distance, cannot afford us the least light.

With regard to the French academy, how great a service would they do to literature, to the language, and the nation, if, instead of publishing a set of compliments annually, they would give us new editions of the valuable works written in the age of Lewis the fourteenth, purged from the several errors of diction which are crept into them! There are many of these errors in Corneille and Moliere, but those in La Fontaine are very numerous. Such as could not be corrected, might at least be pointed out. By this means, as all the Europeans read those works, they would teach them our language in its utmost purity, which,

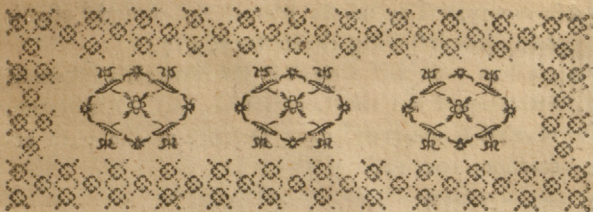
by that means,
standard; and v
then printed at
one of the most g
en could boast.
formerly made th
have been revive
for his genius, his
criticism; but this
line of many oth
applauded and neg

† L'Abbe de Ro

THE ENGLISH NATION. 173

by that means, would be fixed to a lasting standard; and valuable French books, being then printed at the king's expence, would prove one of the most glorious monuments the nation could boast. I have been told that Boileau formerly made this proposal, and that it has since been revived by a † gentleman eminent for his genius, his fine sense, and just taste for criticism; but this thought has met with the fate of many other useful projects, of being applauded and neglected.

† L'Abbe de Rothelin of the French academy.



THE INDEX.

A.

ACADEMY. Design for establishing an academy for the improvement of the English tongue, p. 167. Reasons why that design was laid aside, 168. Reflections on the French academy, and on that of the sciences, 169, 170, and of the advantages which might accrue from the French academy in France, 172, 173.

Addison (Mr.) A considerable fault in his beautiful tragedy of Cato, 131. The high esteem in which his writings are held in England, 160.

Ages (barbarous) The most useful inventions have been discovered in them, 171.

Anaxagoras. His opinion concerning the nature of the soul, 73.

Antonio. A ridiculous character in one of Otway's plays, 125.

Argonauts. Sir Isaac Newton fixes the time of their expedition, 123.

Aristotle. The only reason why he had so many commentators was, because he was unintelligible, 73.

I N D E X.

- Astronomy. The use Sir Isaac Newton made of this science in rectifying chronology, 117.
- Attraction. Sir Isaac Newton borrowed his system of attraction from the Lord Bacon, 69. Explication of that system, 93, 94. Defence of the term attraction, 104, 105.

B.

- BACON (Lord.) His character and elogium, 70, etc. Curious reflections on his philosophical discoveries and his works, 67—70. His history of Henry VII. censured, 71.
- Baptism. Idea which the Quakers entertain of that institution, 4—6.
- Barclay (Robert.) Author of the apology for the Quakers, a work in great esteem, 6. presents it to King Charles II. 17.
- Bastile. Sir John Vanbrugh being in France was imprisoned in the Bastile, without knowing why, 136.
- Bernard (St.) The singular opinion of this father with regard to the state of the soul after death, 74.
- Bernouilli. Whether he invented the integral calculation, 116.
- Bodies. Cause of their density discovered by Sir Isaac Newton, 110.
- Bolingbroke (Viscount.) Considered as one of the defenders of the church of England, 28. An ingenious and noble answer of that Lord, relating to the Duke of Marlborough, in the opposite party, 66.
- Brounker (Lord.) Squared the hyperbola, 114.

C.

- CHARTA MAGNA. A famous edict which the English look upon as the foundation of their liberties,

30. Examination
Chinese. The pra
that people abov
Chronology. The
made in that scie
established them,
Cibber (Mr.) An E
dian, 139.
Circassians. The in
ed by that people.
tised by them, 57
Clarke (Dr.) A fam
anism, 37. His c
that set of people
38.
Clergy. Their auth
morals better than
Most English clerg
amiable in society
which gives no of
Colours. Different
by Sir Isaac Newt
Comedies. The Eng
but to taste them
tongue, they bein
lation, 139.
Comets. Explained
tion of some othe
Commerce. Flour
etc. Noble simpl
don, 55.
Commons (house o
How its authoris
Congreve. A fam
excellent comed
course in a visit
ibid.

I N D E X.

50. Examination of that charter, 50—53.
- Chinese. The practice of inoculation has been among that people above two hundred years, 63.
- Chronology. The new discoveries Sir Isaac Newton made in that science, 117. Principles on which he established them, 117—123.
- Cibber (Mr.) An English poet, and an excellent comedian, 139.
- Circassians. The inoculation of the small pox invented by that people. Reasons why this custom is practised by them, 57—63.
- Clarke (Dr.) A famous divine. A stickler for Socinianism, 37. His character, *ibid.* His adherence to that set of people though prejudicial to his fortune, 38.
- Clergy. Their authority in England, 28, 29. Their morals better than those of the French clergy, 30. Most English clergymen are pedants, and not very amiable in society, 31. They fuddle themselves which gives no offence, *ibid.*
- Colours. Different colours of the rays of light, fixed by Sir Isaac Newton, 109, etc.
- Comedies. The English have some very beautiful ones, but to taste them, a reader must understand the tongue, they being very much disfigured in a translation, 139.
- Comets. Explained by Sir Isaac Newton, 101. Opinion of some other philosophers, 101, 102.
- Commerce. Flourishing state of it in England, 54, etc. Noble simplicity of the rich merchants in London, 55.
- Commons (house of.) Its original is very obscure, 50. How its authority was increased, 51.
- Congreve. A famous English poet. Author of some excellent comedies. His character, 138. His discourse in a visit which Mr. de Voltaire paid him, *ibid.*

I N D E X.

Courayer (father). A learned French monk. Has written on the validity of English ordinations. Opinion entertained of his work in France, and in England, 29. Of no advantage to the English, nor to the author, *ibid.*

Courtiers (French). Their deities, 141.

Cromwell (Oliver). Persecutes the Quakers, because their religion would not permit them to fight, 15.

D

DELME (Sir P  ter). A rich English merchant owes his riches to his merit, 172.

Des Cartes. His character. Epitome of his life, judgment on his talents, on his works, and his progress in philosophy, geometry, etc. 85, etc. Compared to Sir Isaac Newton, 85. Sir Isaac destroyed most of his principles, 84.

Difference. A remarkable one between tragedy and comedy, 140.

Divines. A set of men whose character is not very amiable, and who do not confine themselves enough to the rules of their profession, 74, etc. Much more dangerous to mankind than philosophers, 81.

Domines (Antonio de). First explains the causes of the rainbow, 108.

Dryden. An excellent English poet. His character, 129. Translation of some beautiful lines of his, 130.

E

ECOLE DES FEMMES (school for married women).

A comedy of Moliere imitated by Wycherley, and intitled by him *The country wife*, 136

Efiat (Marquis of). An ingenious compliment made by that nobleman to the lord Bacon, 65.

I N D E X.

- England. Is properly the country of sectarists, 27.
 English Tongue. A man must understand it to judge of the merit of writers in that language, 139.
 Enthusiasm. Difficult to convince an enthusiast by rational arguments, 6, 7.
 Epitaph of Sir John Vanbrugh, 137.
 Error of the English with regard to the measure of the earth, rectified by Sir Isaac Newton, 98.
 Essence. That of matter, according to Sir Isaac Newton, does not consist merely in extension; and that of the soul is not thought, according to Mr. Locke. Both differ in opinion from Des Cartes, 84.
 Eugene (Prince) Borrows five millions from some English merchants, 55.
 Exchange (Royal). A noble idea of it, 34.

F.

- FLEETS. The English, in 1723, had three powerful ones at the same time in different parts of the world, 54.
 Fontenelle (Mr. de). Wrote the elogium of Sir Isaac Newton. The English were displeased at his comparing Des Cartes to that philosopher, 85. He has attacked the system of attraction, 103.
 Format. The only Frenchman in Des Cartes's time who understood his geometry, 90.
 Fox (George). Founder of Quakerism. His character and adventures, 13—16.
 France (civil wars of). As bloody and more fatal than those of England, 43.
 French. The idea they have of England, 44.
 Frenchman. Des Cartes little esteemed by several of the English, merely because he was a Frenchman, 85.
 Froncine. A natural daughter of Des Cartes, 86.

I N D E X.

G.

- GALILEO.** Imprisoned in the inquisition for having demonstrated the earth's motion, 87.
- Generations.** The proportion of their duration with that of the reign of kings, 118, 119.
- Geometry** (Infinites in). Sublime discoveries made by Sir Isaac Newton in that science, 114. etc.
- Gordon (Mr.)** a very ingenious English writer, known by several works, 158.
- Great men.** Answer to the question, who is the greatest man that ever lived? 64.
- Government.** Various revolutions in government in England, 46—50. In what manner subsidies are levied in that country, 52.

H.

- HALLEY (Dr.)** His opinion with regard to the comet in 1680. 101
- Hatred** (reciprocal). Of the Episcoparians, and Presbyterians in England, much like that of the Janseuists and Jesuits, but with this difference, that the former observe a better decorum, 34.
- Historians.** The English wanting in good ones, 158.
- Holland.** Des Cartes was persecuted in that country, because no one understood his philosophy, 87.
- Holland (North).** Des Cartes withdrew to it, in order to cultivate his philosophy, 87.
- Hopkins (Sir Richard).** The prodigious advantages he reaped by arithmetic, 172.
- Hyperbola.** Squared by Lord Brounker, 114.
- Hypparchus.** A Greek philosopher, His astronomical observations, 120.
- Hudibras.** A famous poem written by Butler. Judgment of that work, 152, 153.

IMPULSION.
phy as that of a
Infinites in Geomet
a wonderful leng
Inoculation. An a
the small-pox, fir
invention; curio
duced in Englan
country, ibid.
other countries,
Chinese are said t
of years, 63.
Inventions. Severa
honour of various

LEIBNITZ. W
Leuwenhoeck. His
Liberty. Idolized
are even jealous o
dation of their
51, 52.
Locke (Mr.) His c
sophy, 76, 77. H
religion, 77.
Longitude. Rewar
who shall discove
Lully. Despised b
but admired by t

MACHINES. Wh

I N D E X.

I.

IMPULSION. A term as little understood in philosophy as that of attraction, 104.

Infinities in Geometry. Carried by Sir Isaac Newton to a wonderful length, 114—116.

Inoculation. An artificial method of communicating the small-pox, first brought from Asia. Origin of this invention; curious relation how it was first introduced in England, 60—63. Effect it had in that country, *ibid.* Great benefit it might produce in other countries, especially in France, *ibid.* The Chinese are said to have practised it for a long course of years, 63.

Inventions. Several great men have disputed for the honour of various inventions, 116.

L.

LEIBNITZ. Whether he invented Fluxions, 116.

Lewenhoeck. His dispute with Hartfoeher, *ibid.*

Liberty. Idolized so much by the English, that they are even jealous of that of other nations, 40. Foundation of their liberties, 50. These examined, 51, 52.

Locke (Mr.) His character, 72. Idea of his philosophy, 76, 77. He is accused of a design to destroy religion, 77.

Longitude. Reward promised in England to the man who shall discover it, 159.

Lully. Despised by the ignorant musicians in Italy, but admired by those of the greatest abilities, 139.

M.

MACHINES. Whether animals are mere machines?

I N D E X.

- The author's argument against that opinion, 80.
- Majesty. The people of England have the epithet majesty bestowed upon them by one of their members of parliament, 40.
- Mallebranche (Father). Esteemed by the Quakers, and considered by them as a favourer of their principles, 12.
- Matter. The essence of matter, according to Sir Isaac Newton, consists in solidity and extension, 84.
- Measure. That of the circumference of the terrestrial globe, 98.
- Merchants (English). Their riches and generosity, 55. The greatest noblemen do not think trade derogatory to their titles. Examples of this, *ibid.*
- Milton. A daughter of that immortal poet relieved from the most extreme misery by the liberality of Queen Caroline, 61.
- Misantrope of Moliere. Imitated by Wycherley in his comedy called the Plain Dealer, 134.
- Montague (Lady Wortley). The English are obliged to that lady for introducing the practice of inoculation among them. Her elogium, 61.
- Muralt (Mr. de) In his letters on the English and French nations, did not expatiate enough on the English comedies, 133.

N.

- NEWTON (Sir Isaac). A favourer of the Socinian principles, 37. In the opinion of some people, the greatest man that ever lived, 64. His philosophy quite different from that of Des Cartes, 91. The most curious and most considerable of his principles explained, from 83, to 123. He has obtained a kind of universal monarchy over the sciences, *ibid.*

OSFIELD (M)
very honourable
Opies. Sir Isaac
that science, 10
him, *ibid.*
Orations (Engl)
The obligation
work, 30.
Orway. Ridiculou
facts, 125.
Oxford (late Earl
the church of E
founding an ac

PARLIAMENT
the ancient Rom
Reflections on th
ry of parliament
Peers. The bulw
the formidable
peers have elst
take their tit
Pen (William),
Pennsylvania fo
adventures. A
mong his follo
being a Jesuit.
Philosophy. Th
con made in it
Sir Isaac Newt
Picart (Mr) Th
Sir Isaac New

I N D E X

O.

- OLDFIELD** (Mrs.) A celebrated English actress. Her very honourable interment, 161.
- Optics.** Sir Isaac Newton's wonderful discoveries in that science, 107—112. His method on this occasion, *ibid.*
- Ordinations** (English). Defended by father Courayer. The obligations the English have to him for his work, 30.
- Otway.** Ridiculously imitated some of Shakespeare's faults, 125.
- Oxford** (late Earl of) Considered as the defender of the church of England, 28. Favours the design of founding an academy, 167.

P.

- PARLIAMENT** (of Great Britain). Compared with the ancient Romans, 40. The parallel examined, 41. Reflections on the English liberties and the authority of parliaments, 42—43.
- Peers.** The bulwark of the English monarchs, against the formidable authority of the commons, 51. Few peers have estates in those counties whence they take their titles, *ibid.*
- Pen** (William). Head of the Quakers in America, 19. Pennsylvania so called from him, 22. His travels and adventures. Amiable government settled by him among his followers, 23. His death. Accused of being a Jesuit. Justifies himself, 24.
- Philosophy.** The prodigious improvements Lord Bacon made in it, 67. As also Des Cartes, 91. And Sir Isaac Newton, 93.
- Picart** (Mr.) The advantage his calculation was of to Sir Isaac Newton's system, 98.

I N D E X.

- Pope (Mr.) One of the greatest poets of the English nation. His character, 155. Translation of some beautiful lines from his Rape of the Lock *ibid.* He is the English Boileau, 156. The high regard shewn him in England, 157.
- Popes. Antiently tyrants in England, 48.
- Pox (small) Given in inoculation. Curious account of that practice, 60—62. Havoc in made in Paris in 1723, 62, 63.
- Presbyterianism. The most considerable sect after the church of England, 32.
- Presbyterians. Character of those in England, 33. Difference between the episcopal clergy, and those of the church of Scotland, *ibid.*
- Prior (Mr.) An English poet of distinguished merit, 152. Has a very considerable employment bestowed upon him, 160.
- Prynne (Mr.) A Fanatic, 162. His arguments against public spectacles, 163.

Q.

- QUAKERS. Conversation of the author with an old quaker of very good sense, 3, etc. Opinion of the quakers with regard to baptism, 4—5. Their meetings, 9. Have neither priests nor ministers, 10. Origin of the Quakers, 13, etc. Persecuted upon the first establishment of their doctrine, 14, 15. They settle in America, and particularly in Pensilvania, 22, 23. Their number decreases daily in England. Reasons of it, 24.
- Quality (English). Fond of, and cherish the polite arts, 141, 142.
- Queen Caroline. Her elogium. She protects the sciences, 61.

RAVENS. Difference
poled, according
Religions. Plural
advantage to the
English, 35.
Retz Cardinal de
Revenue (yearly)
England have r
num, 53.
Revolution. A fir
covered, 119.
Rochester (Earl of
passage from his
author, 145.
Romans. Parallel
lib, 41, 42.
Ruscomb. A town
died, 25.
SCOTS. England
Philosophers wil
they are not ent
Shakespeare. The
theatre conspicu
high esteem the
ductive of ill eff
in Hamlet transf
Scottish. Who c
Isaac Newton ar
ons, 37. Reflect
borin (Mr.) Gen
Gordonville (Prince
er of his youth,

I N D E X.

R.

- RAYS.** Difference in the rays of which light is composed, according to Sir Isaac Newton's system, 109.
- Religions.** Plurality of them very necessary, and of advantage to the happiness and prosperity of the English, 35.
- Retz Cardinal de.** His character, 44.
- Revenue (yearly).** A great number of commoners in England have two hundred thousand livres per annum, 53.
- Revolution.** A singular one of the earth newly discovered, 119.
- Rocheſter (Earl of.)** His elogium, 144. A beautiful paſſage from his Satire againſt man, imitated by our author, 145.
- Romans.** Parallel between that people and the Engliſh, 41, 42.
- Ruſcomb.** A town in Berkhſhire, where William Penn died, 25.

S.

- SECTS.** England properly the country of them, 27. Philoſophers will never form religious ſects, becauſe they are not enthuſiaſtically inclined, 81.
- Shakeſpeare.** The firſt poet who made the Engliſh theatre conſpicuous, 124. His character, *ibid.* The high eſteem the Engliſh have for his writings productive of ill effects, 125. Part of the famous ſpeech in Hamlet tranſlated into French, 128.
- Socinians.** Who compoſe that ſect in England, 36. Sir Iſaac Newton and Dr. Clarke favoured their opinions, 37. Reflections on the ſtate of that ſect, 38.
- Sorin (Mr.)** Cenſures the ſyſtem of attraction, 103.
- Soubouiſe (Prince of.)** Dies of the ſmall-pox in the flower of his youth, 63.

I N D E X.

- Soul: The ancients ignorant of the nature of the soul.
 Opinions of the fathers, of the schoolmen, and of
 the modern philosophers, 74.
 Spectacles (Public shews). Forbid on Sundays in Eng-
 land, and also cards and all other kinds of diversifi-
 ons, 33.
 Steele (Sir Richard). Author of several fine comedies,
 139.
 Subsidies. How levied in Great Britain, 52.
 Swift (Dean). His character and elogium. Compar-
 ed to Rabelais, 152, 154.

T.

- TELESOPES. One of a new kind invented by Sir
 Isaac Newton, 113.
 Theatres. The English had these before the French,
 124.
 Thee and thou. The Quakers always use those par-
 ticles in speaking. Justification of that form of
 speech, 7. Example of a discourse of this kind ad-
 dressed to Charles II. 17.
 Thuanus. A judicious author even in his stile, 71.
 Tories. A powerful party in England, the counter-
 part to the Whigs, 28, 29.
 Tragedies. Reflections on the state of tragedy in Eng-
 land, 130, 132.
 Translation. Several passages of the most famous Eng-
 lish poets translated by Mr de Voltaire. One of
 Shakespeare, 128. Of Dryden, 130. Of the Earl
 of Rochester, 145, 146. Of Waller, 149. Of Mr.
 Pope, 155, 156. Of the Lord —, 143. Qualities
 necessary to form a good translation, 129.

V.

- VANBRUGH (Sir John). Author of several good co-

I N

medies, and an arc.
 136. Was impris-
 Wespier (Duke of)
 46.
 Taine, Judgment

WALLER (Mr.) A
 and elogium, 147,
 poem on Cromwell
 ply to Charles II.
 Wallis (Dr.) His p
 Warbet (Perkin)
 Henry VII. 71.
 Whigs. A considera
 of the Tories, 28.
 Whitton (Mr.) His
 102.
 Wytherley (Mr.)
 dies. A great im
 his Plain Dealer,
 of another intitle
 This poet in gre
 strals of Charles

I N D E X.

- medies, and an architect. His character and epitaph,
137. Was imprisoned in the Bastile, *ibid.*
Villeguier (Duke of) Dies in the flower of his youth,
63.
Voiture. Judgment on that author, 147, 148.

W.

- WALLER (Mr.) An English poet. His character
and elogium, 147, 148 Translation of part of his
poem on Cromwell's death, 149. His ingenious re-
ply to Charles II. 150-
Wallis (Dr.) His progress in infinites, 114.
Warbek (Perkin.) A famous impostor in the reign of
Henry VII. 71.
Whigs. A considerable party in England, opponents
of the Tories, 28, 29.
Whiston (Mr.) His notion with regard to the deluge,
102.
Wycherley (Mr.) Author of several excellent come-
dies. A great imitator of Moliere, particularly in
his Plain Dealer, 134. Plot of that comedy, and
of another intitled the Country Wife, 134—136.
This poet in great favour with the celebrated mi-
stresses of Charles II. 133.

T H E E N D.

X OCTAVO 1942

4065945





